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AUTHOR Daniel, Becky; Daniel, Charlie
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ABSTRACT

These activities were designed to introduce and reinforce fraction concepts. The worksheets begin with naming the numerator and denominator and go on to provide practice with halves, thirds, fourths, fifths, sixths, eighths, ninths, twelfths, and equivalent fractions. Coloring, dot-to-dot puzzles, and identifying activities predominate. A test and answer keys are included. (MNS)

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FREAKY FRACTIONS

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by
BECKY
and
CHARLIE
DANIEL



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FREAKY FRACTIONS

by Charlie and Becky Daniel

illustrated by Becky Daniel

The purchase of this book entitles the buyer to duplicate the student activity pages as needed, for use by students in the buyer's classroom.

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To The Teacher

These fraction activities have been designed to introduce and reinforce the understanding of fractions. The worksheets become more difficult as the child progresses through the activities. A regularly scheduled conference or check of worksheets will enable you to keep abreast of progress and needs of individual students. As a result of a child's work or conference, you may wish to form a "Review Group" to provide the student with additional help in mastering concepts.

Suggested activities for "Review Group":

1. The children use concrete objects such as buttons, pencils or markers to be divided into given fractional parts.
2. Students use pieces of candy to be divided equally among group members and then enjoyed when the task is completed.
3. The children can make fraction mobiles from wire coat hangers and string.
4. They can cut fractional numbers from magazines and newspapers to construct a collage or poster.
5. Children can bake cookies, using recipes that call for different fractional parts.

When the worksheets are completed, the child should be able to identify fractional parts, associate fractional parts of a whole with a written fraction, and identify and write some equivalent fractions.

*The top number is called
the numerator.*

*The numerator tells how
many parts we are
talking about.*

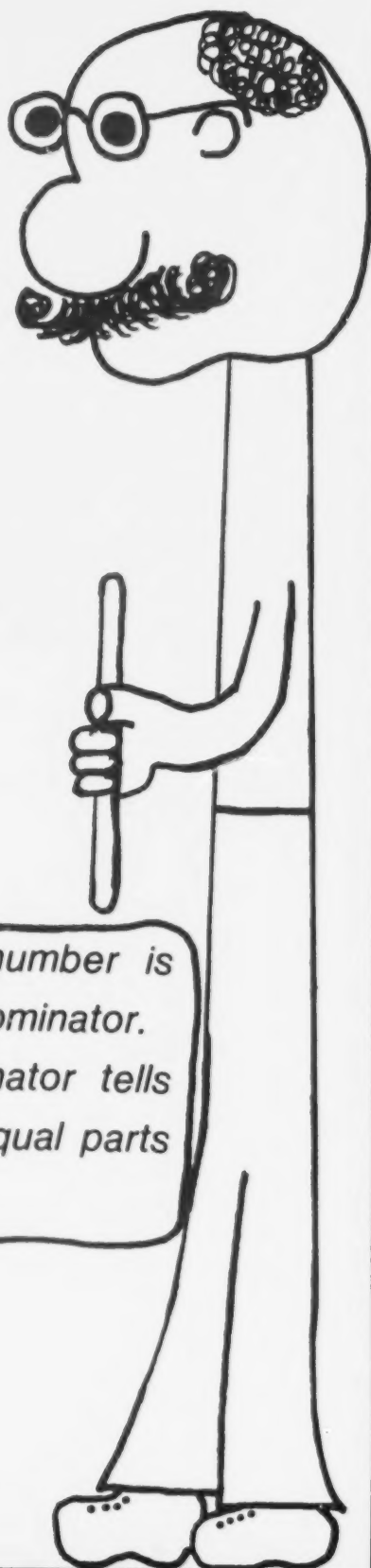
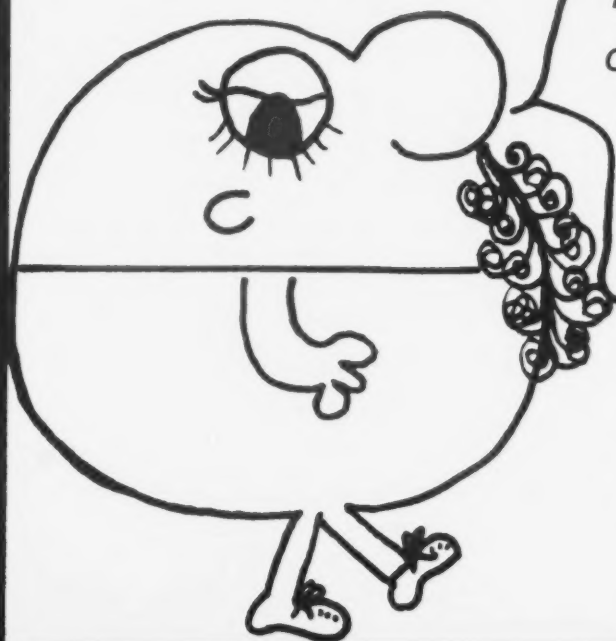
$$\frac{1}{3}$$

Numerator

Denominator

*The bottom number is
called the denominator.*

*The denominator tells
how many equal parts
in the whole.*



$\frac{1}{2}$

Color each $\frac{1}{2}$ of the alligator's tail green.

How many $\frac{1}{2}$'s did you color?

How many $\frac{1}{2}$'s are not colored?

How many $\frac{1}{2}$'s in 1? _____

$\frac{1}{2} + \frac{1}{2} =$ _____ or _____

$\frac{2}{2} - \frac{1}{2} =$ _____

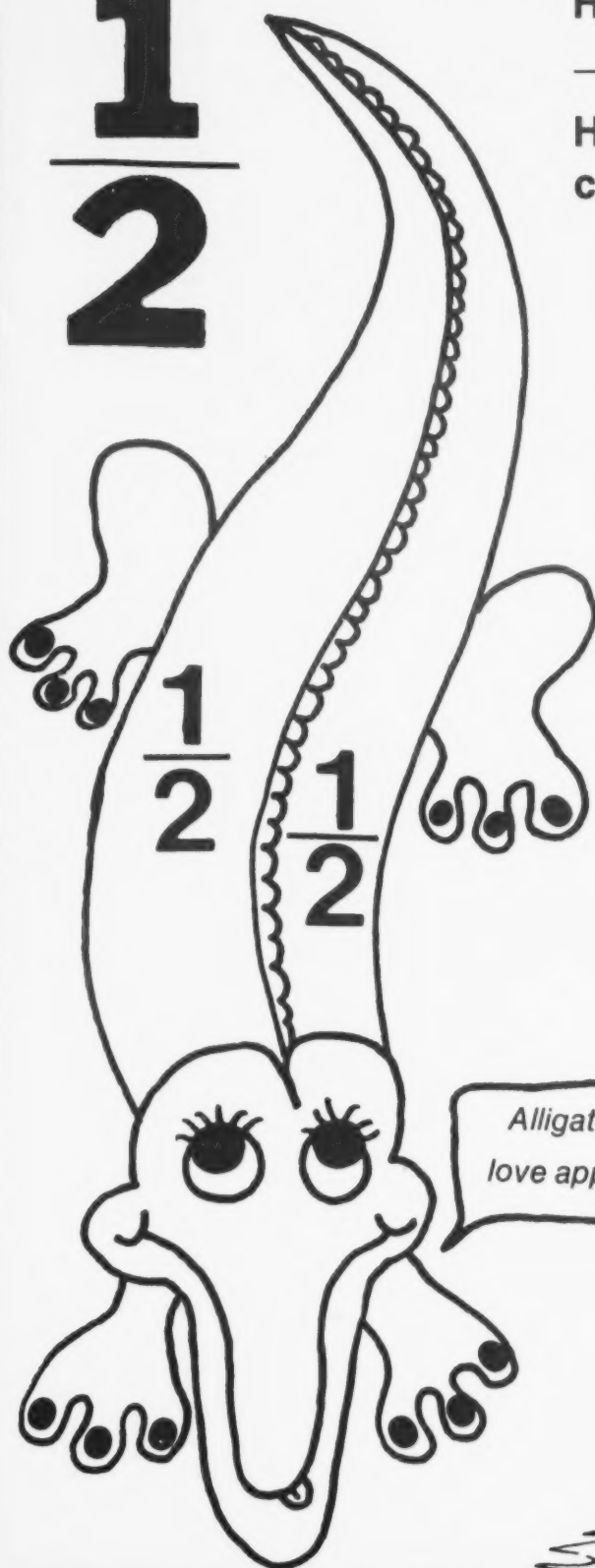
$1 - \frac{1}{2} =$ _____

Color $\frac{1}{2}$ the alligator's feet green.

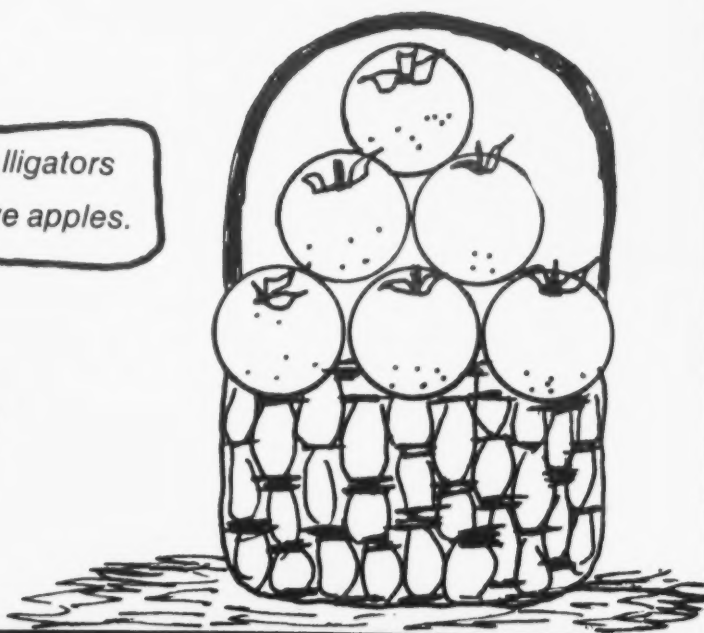
Color $\frac{1}{2}$ the alligator's feet purple.

Color $\frac{1}{2}$ the apples red.

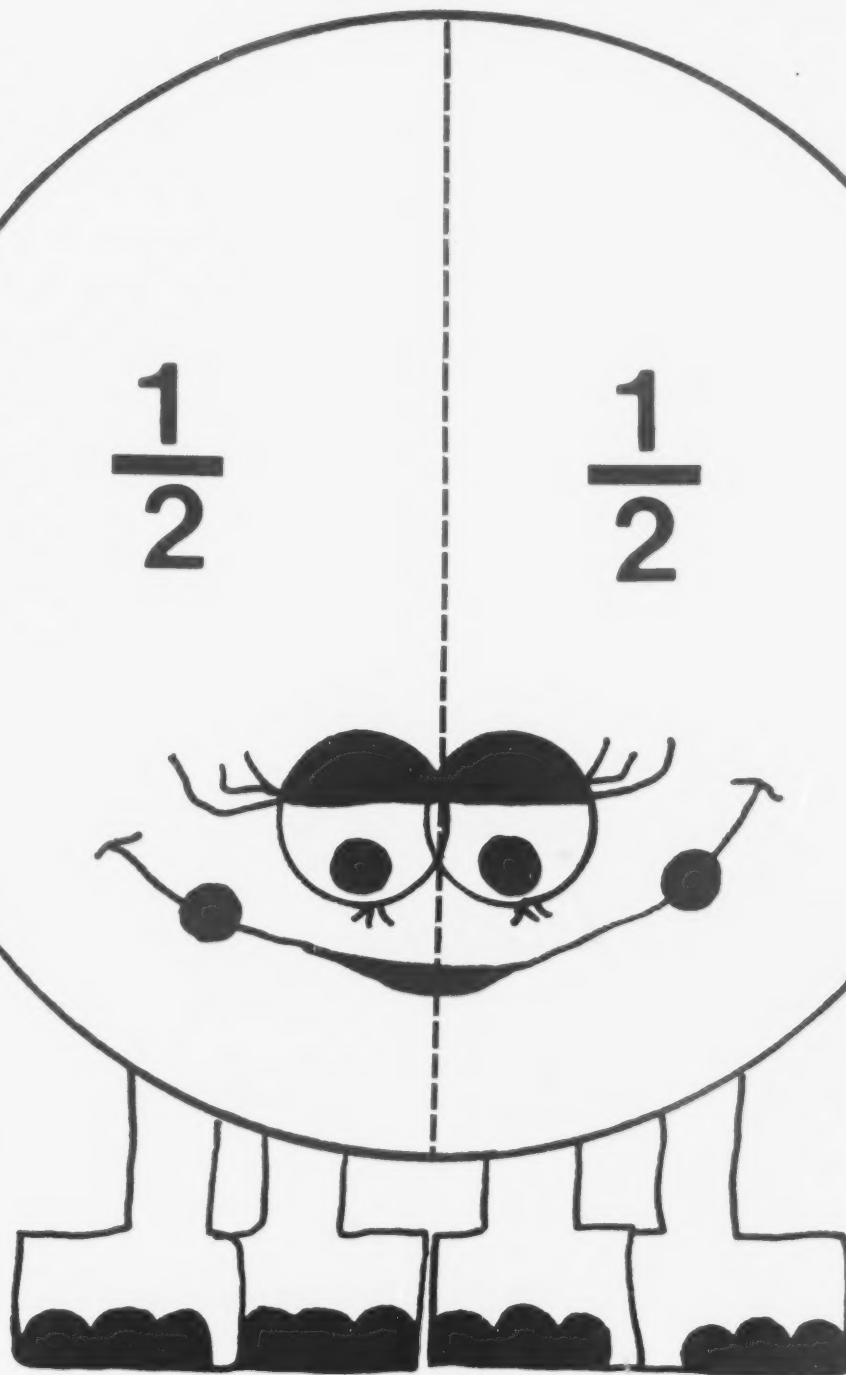
Color $\frac{1}{2}$ the apples yellow.



Alligators
love apples.

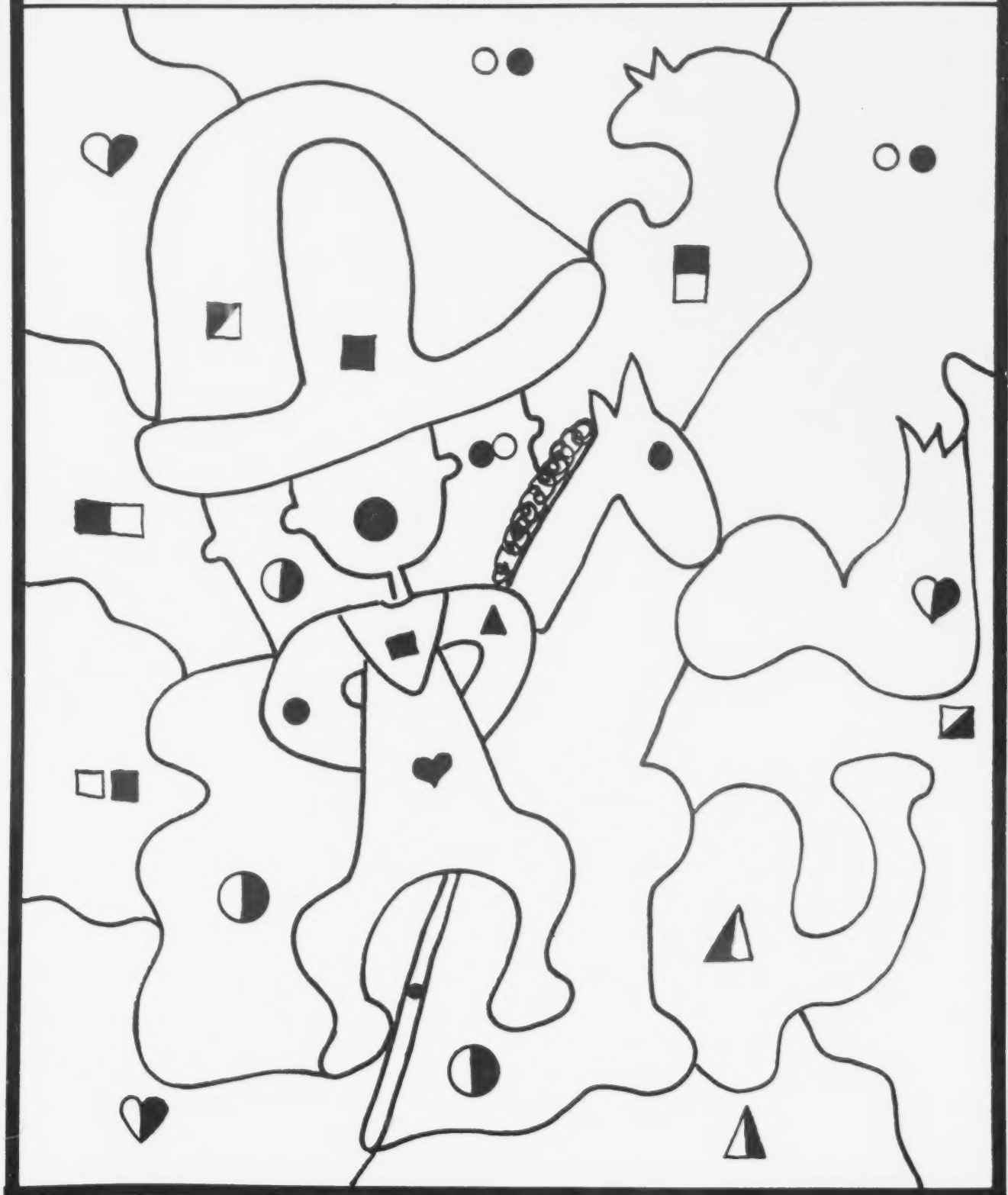


One Half



Color $\frac{1}{2}$ the sea serpent purple.
Color $\frac{1}{2}$ the sea serpent green.
Color $\frac{1}{2}$ of the sea serpent's legs yellow.
Color $\frac{1}{2}$ of the sea serpent's legs red.

Color the areas that equal 1 whole (brown).
Color the areas that equal $\frac{1}{2}$ (green).

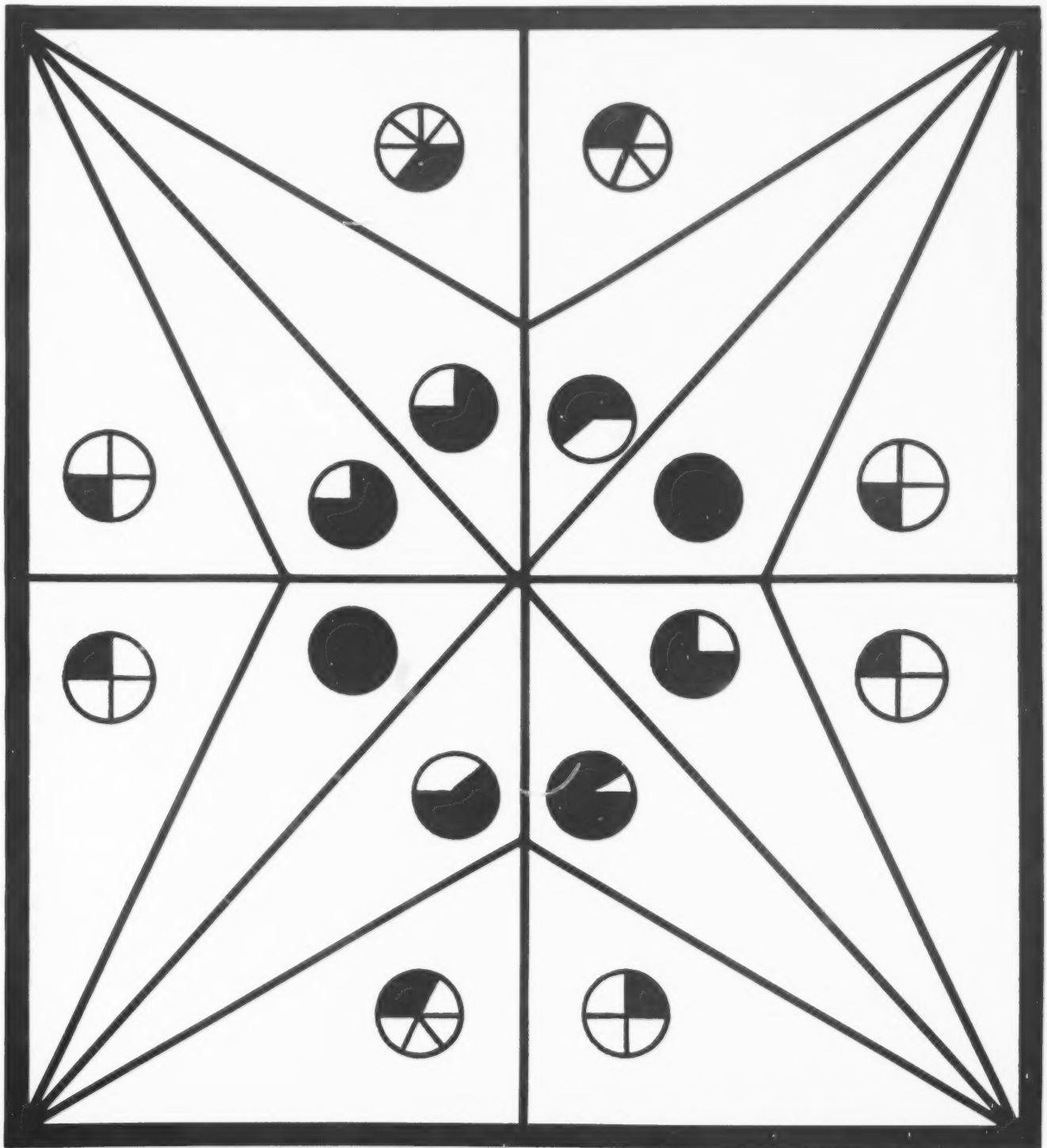


Counting by Halves



DIRECTIONS: Color **red** the areas that have more than $\frac{1}{2}$ the circle shaded.

Color **green** the areas that have less than $\frac{1}{2}$ the circle shaded.



DIRECTIONS: Put a circle around the letters in front of each fraction that equals one whole. Fill in the blank with the letters you have circled.

When the bottom number and the top number of a fraction are the _____ the fraction equals one whole.



S	$\frac{2}{2}$
I	$\frac{3}{4}$
A	$\frac{4}{4}$
U	$\frac{5}{6}$
N	$\frac{6}{8}$
C	$\frac{2}{3}$
H	$\frac{1}{3}$
I	$\frac{2}{4}$
M	$\frac{6}{6}$
E	$\frac{8}{8}$
T	$\frac{4}{5}$
H	$\frac{1}{4}$

Now go back and put a box around each fraction that is less than $\frac{1}{2}$.

Color $\frac{1}{3}$ of the blanket **green**.

Color $\frac{1}{3}$ of the blanket **purple**.

Color $\frac{1}{3}$ of the blanket **orange**.

$$\frac{1}{3} \text{ of } 3 = \underline{\hspace{2cm}}$$

$$\frac{2}{3} \text{ of } 3 = \underline{\hspace{2cm}}$$

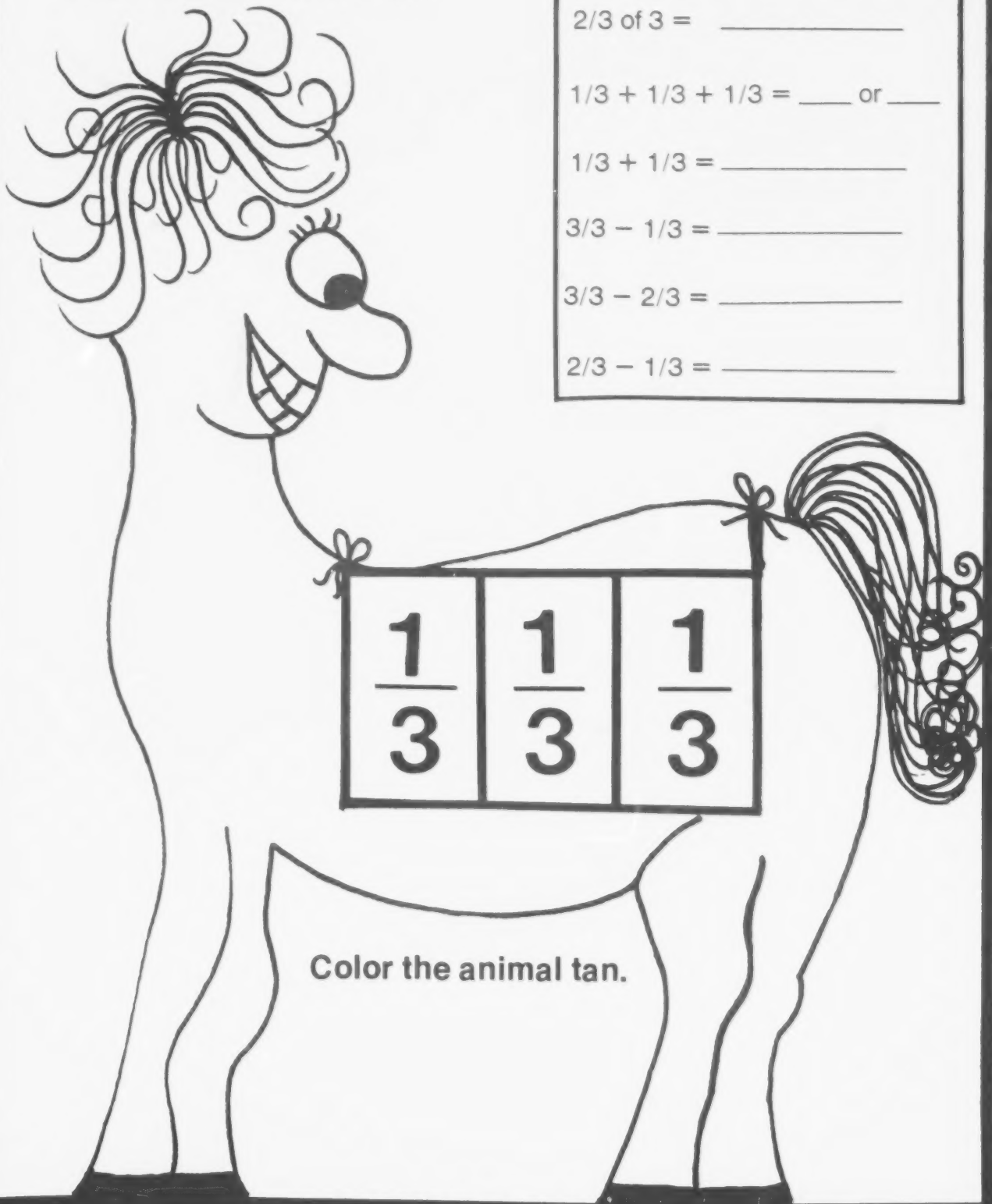
$$\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

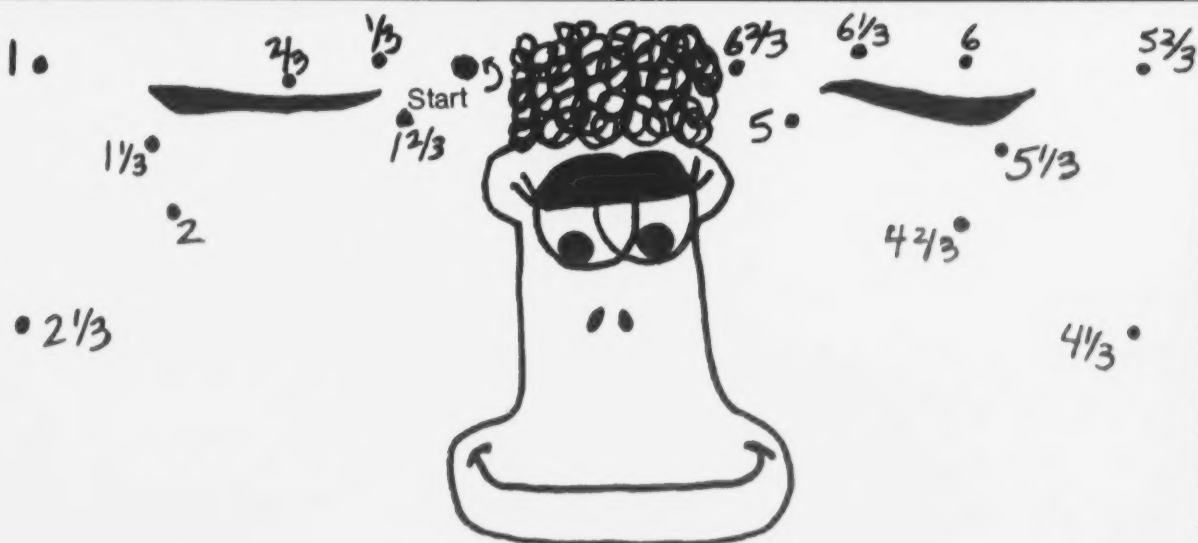
$$\frac{1}{3} + \frac{1}{3} = \underline{\hspace{2cm}}$$

$$\frac{3}{3} - \frac{1}{3} = \underline{\hspace{2cm}}$$

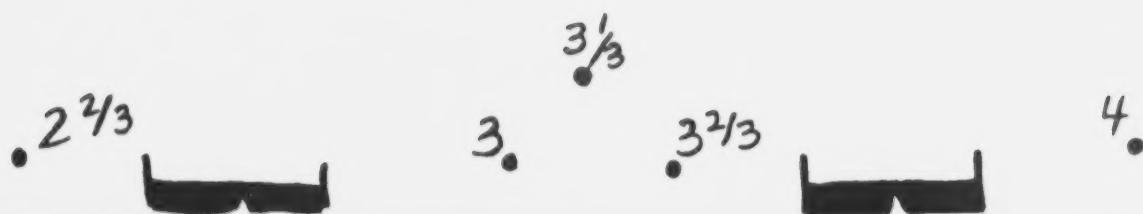
$$\frac{3}{3} - \frac{2}{3} = \underline{\hspace{2cm}}$$

$$\frac{2}{3} - \frac{1}{3} = \underline{\hspace{2cm}}$$

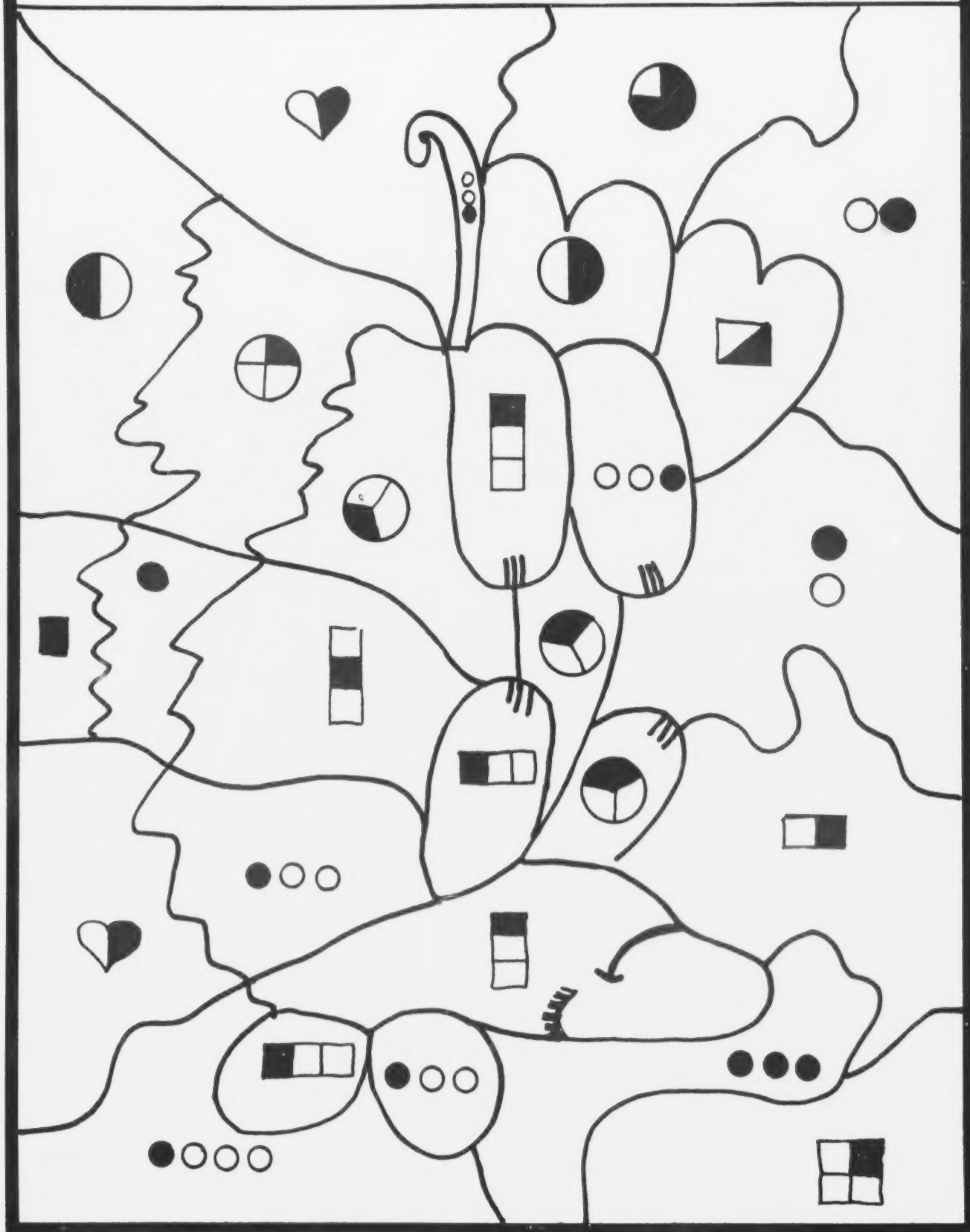




Counting By Thirds



Color the areas that equal $\frac{1}{3}$ (brown).



DIRECTIONS: Draw 2 apples in the first box.

Color $\frac{1}{2}$ the apples **red**.

Color $\frac{1}{2}$ the apples **yellow**.

Draw 4 butterflies in the second box.

Color $\frac{1}{2}$ the butterflies **pink**.

Color $\frac{1}{2}$ the butterflies **green**.

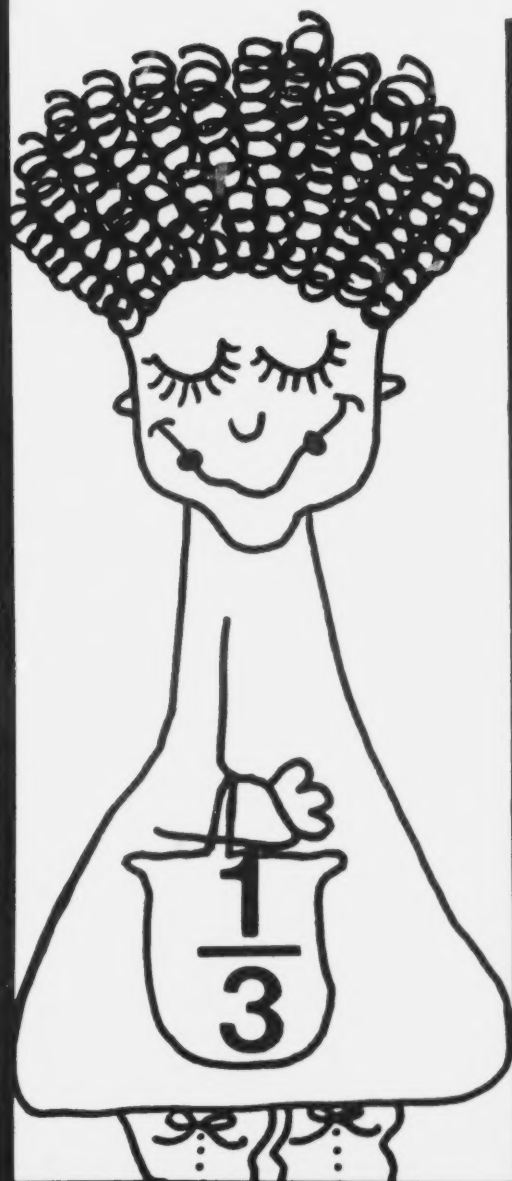
Draw 12 buttons in the third box.

Color $\frac{1}{2}$ the buttons **red**.

Color $\frac{1}{3}$ the buttons **orange**.

Color the rest of the buttons **purple**.

How many buttons are purple? _____



Renaming Fractions

$\frac{1}{2}$		1	
$\frac{1}{3}$	$\frac{2}{3}$	$\frac{3}{3}$	
$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{4}{4}$

CIRCLE THE LARGEST:

$\frac{1}{3}$ or $\frac{1}{2}$

$\frac{1}{4}$ or $\frac{1}{3}$

$\frac{3}{4}$ or $\frac{2}{3}$

$\frac{2}{3}$ or $\frac{1}{2}$

Write another name for these fractions.

$\frac{2}{4} =$ _____

$\frac{4}{4} =$ _____

$\frac{3}{3} =$ _____

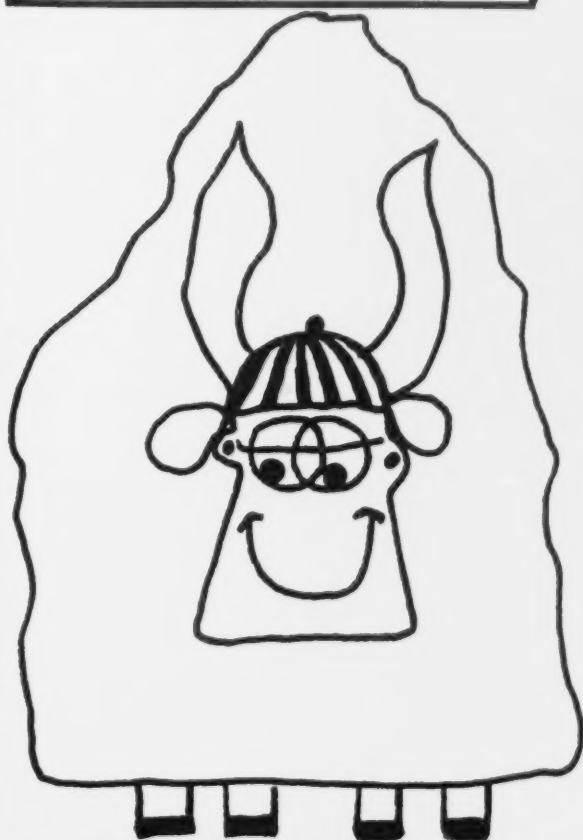
$\frac{2}{2} =$ _____

Add these fractions and write both names for the answer.

$\frac{1}{4} + \frac{1}{4} =$ _____ or _____

$\frac{2}{4} + \frac{2}{4} =$ _____ or _____

$\frac{1}{3} + \frac{2}{3} =$ _____ or _____



$$\frac{1}{4}$$


Color $\frac{1}{4}$ the spots **yellow**.

Color $\frac{1}{4}$ the spots **orange**.

Color $\frac{1}{4}$ the spots **red**.

Color $\frac{1}{4}$ the spots **purple**.

How many **orange** spots? _____

How many **red** spots? _____

$$\frac{1}{4} + \frac{2}{4} = \underline{\hspace{2cm}}$$

$$\frac{2}{4} - \frac{1}{4} = \underline{\hspace{2cm}}$$

$$\frac{2}{4} + \frac{2}{4} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{4}{4} - \frac{3}{4} = \underline{\hspace{2cm}}$$

$$\frac{4}{4} - \frac{2}{4} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{4}{4} - \frac{1}{4} = \underline{\hspace{2cm}}$$

$$\frac{1}{4} \text{ of } 8 = \underline{\hspace{2cm}}$$

$$\frac{2}{8} \text{ of } 8 = \underline{\hspace{2cm}}$$

$$\frac{3}{8} \text{ of } 8 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ of } 8 = \underline{\hspace{2cm}}$$

Color $\frac{1}{2}$ the pony's legs **blue**.

Color $\frac{1}{2}$ the pony's legs **red**.

Color $\frac{1}{4}$ the wool **pink**.

Color $\frac{1}{4}$ the wool **yellow**.

Color $\frac{1}{4}$ the wool **orange**.

Color $\frac{1}{4}$ the wool **purple**.

$\frac{1}{4}$

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \underline{\hspace{1cm}}$$

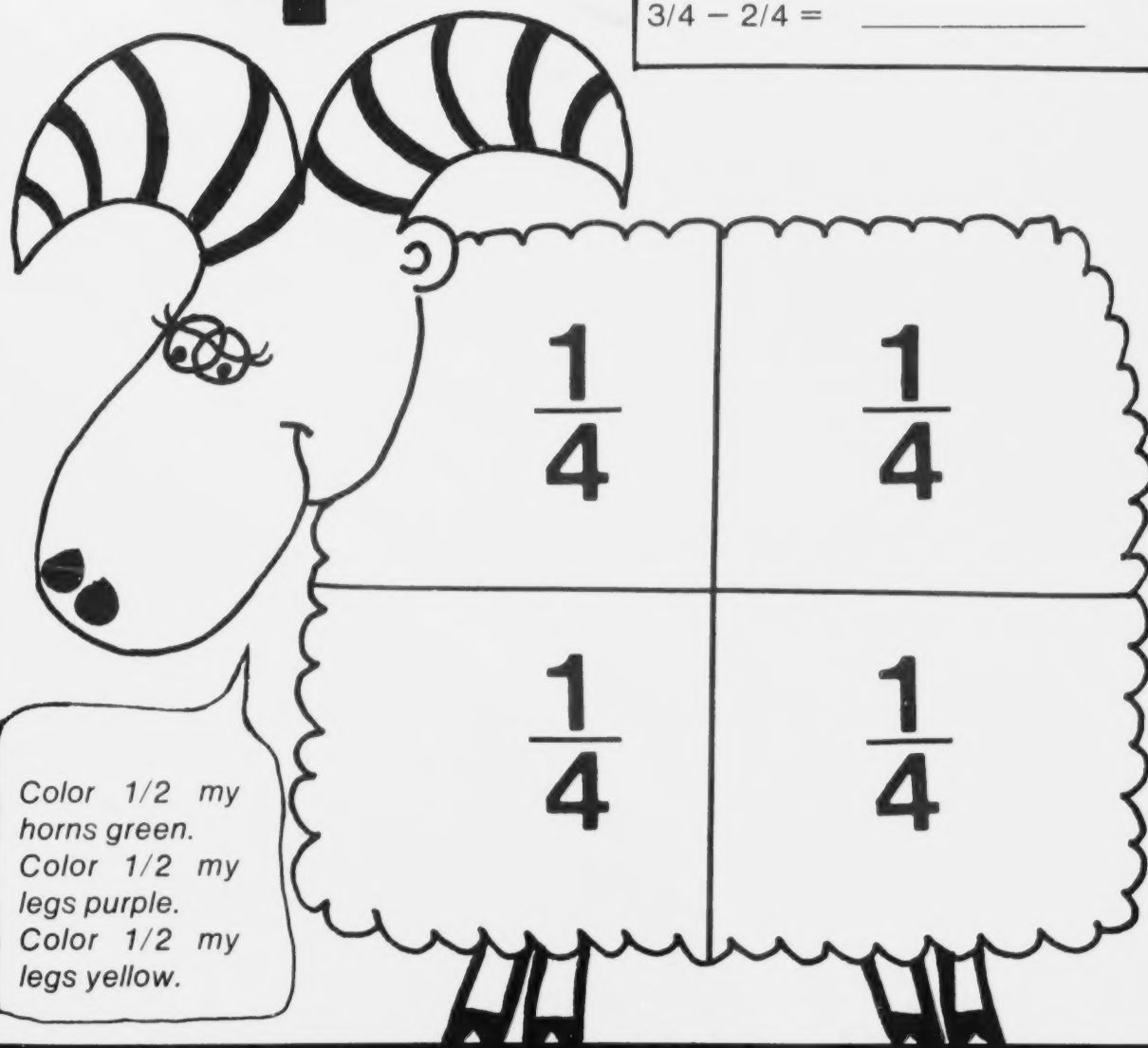
$$\frac{1}{4} + \frac{1}{4} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{3}{4} - \frac{1}{4} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

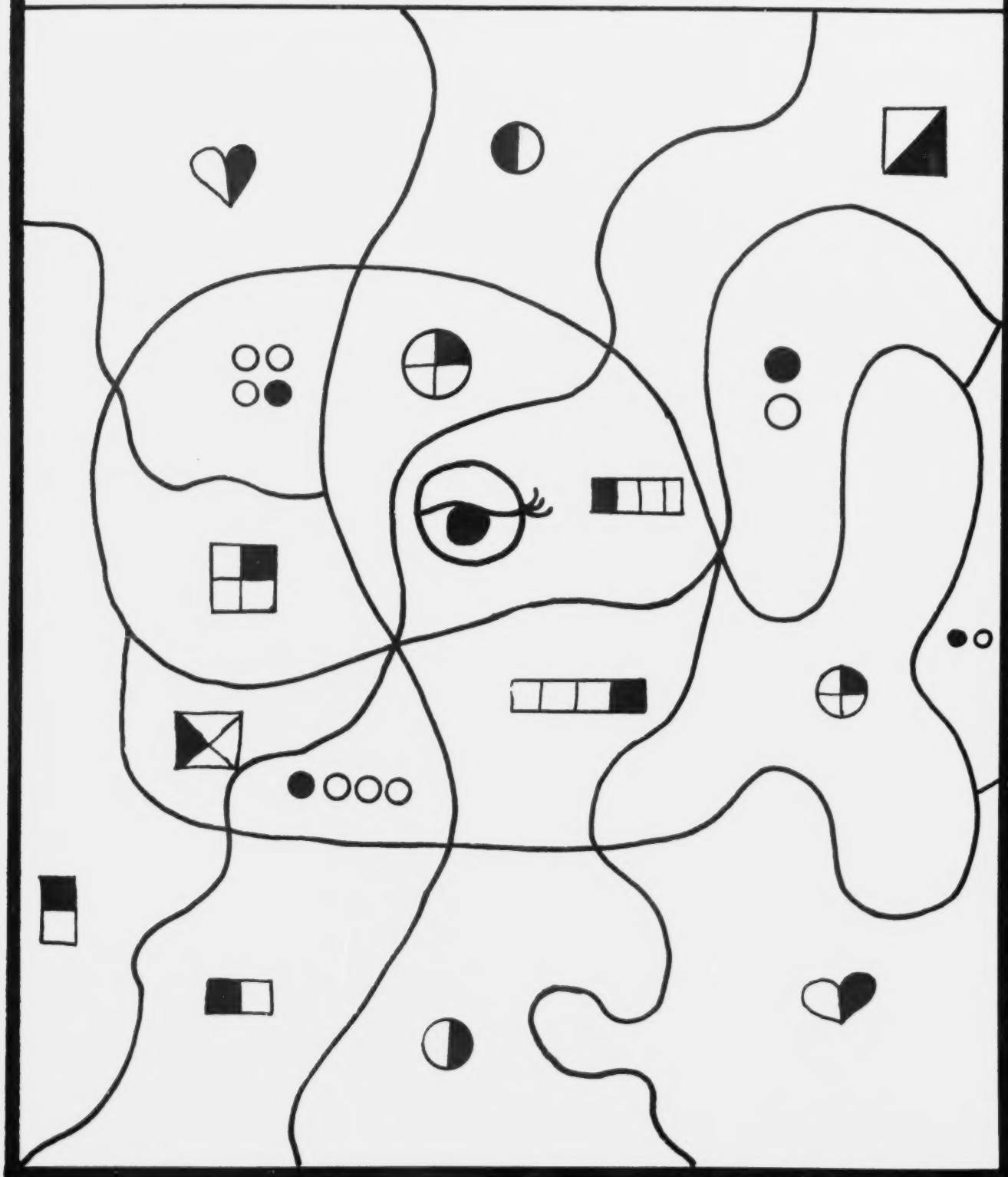
$$\frac{4}{4} - \frac{3}{4} = \underline{\hspace{1cm}}$$

$$\frac{4}{4} - \frac{2}{4} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

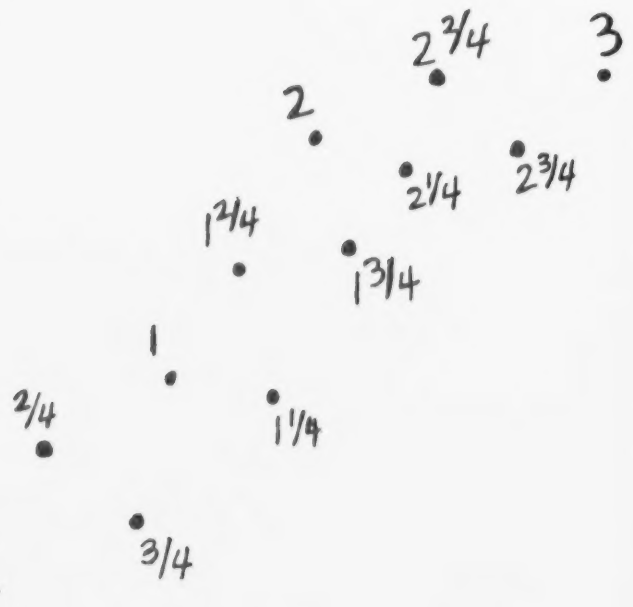
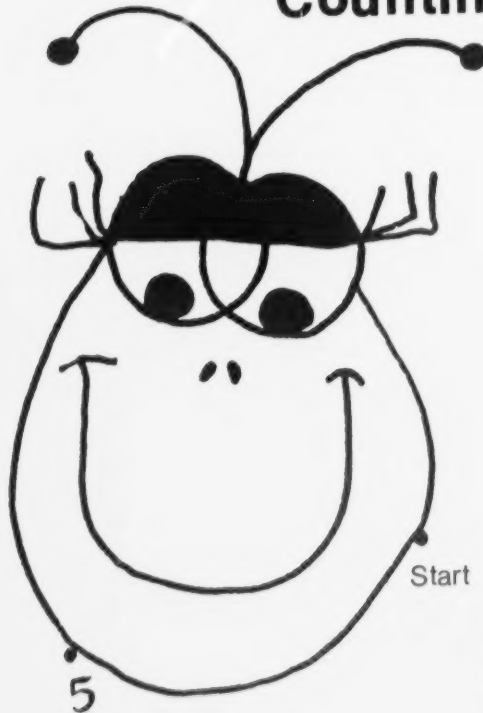
$$\frac{3}{4} - \frac{2}{4} = \underline{\hspace{1cm}}$$



Color the areas that equal $\frac{1}{4}$ (pink).
Color the areas that equal $\frac{1}{2}$ (blue).

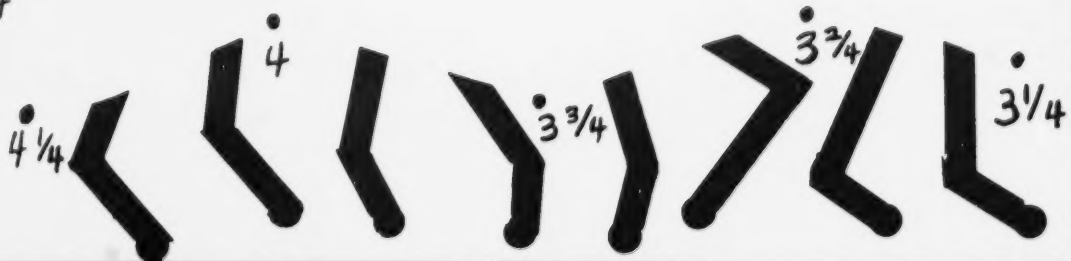


Counting By Fourths



• $4\frac{3}{4}$

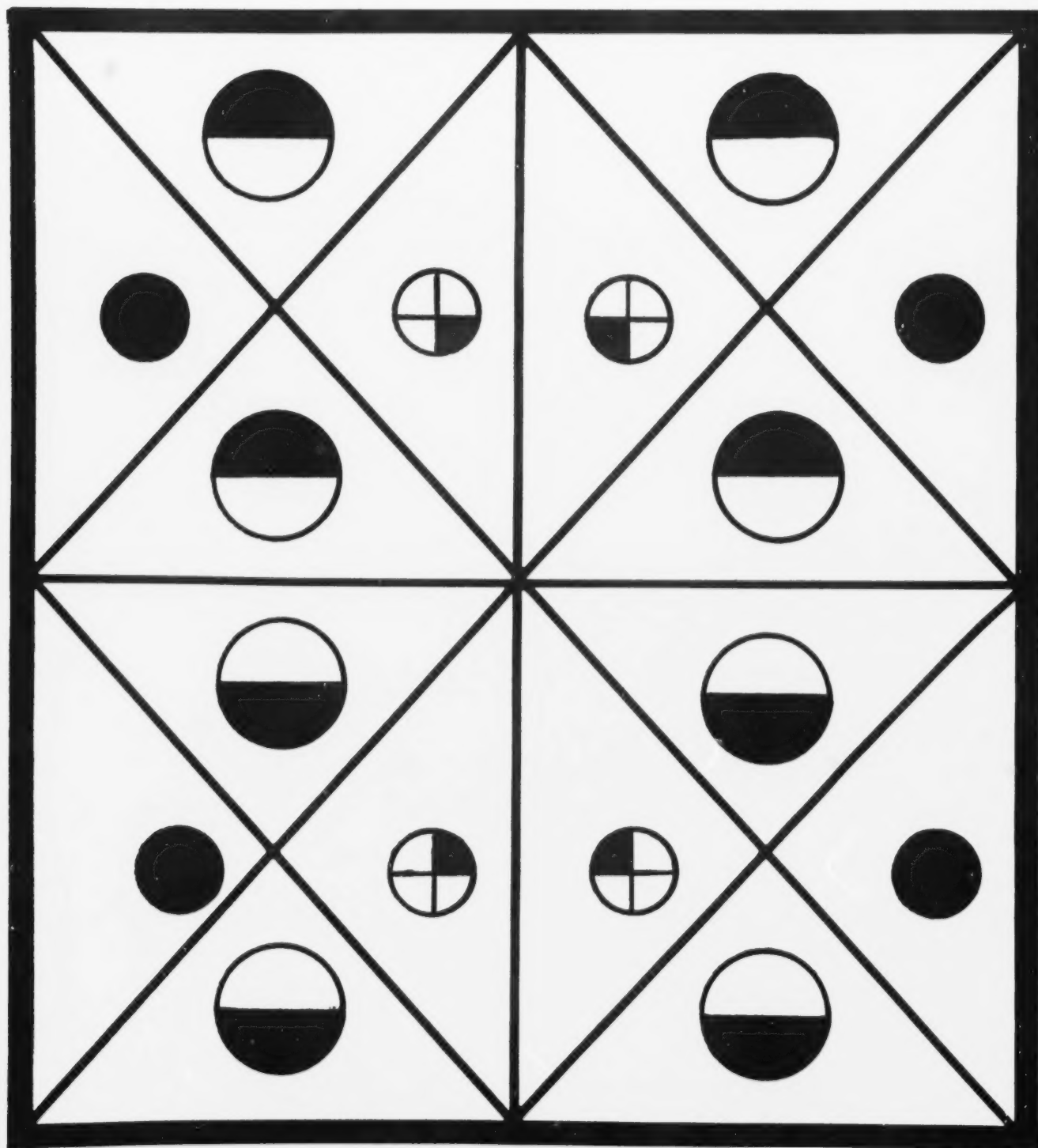
• $4\frac{2}{4}$



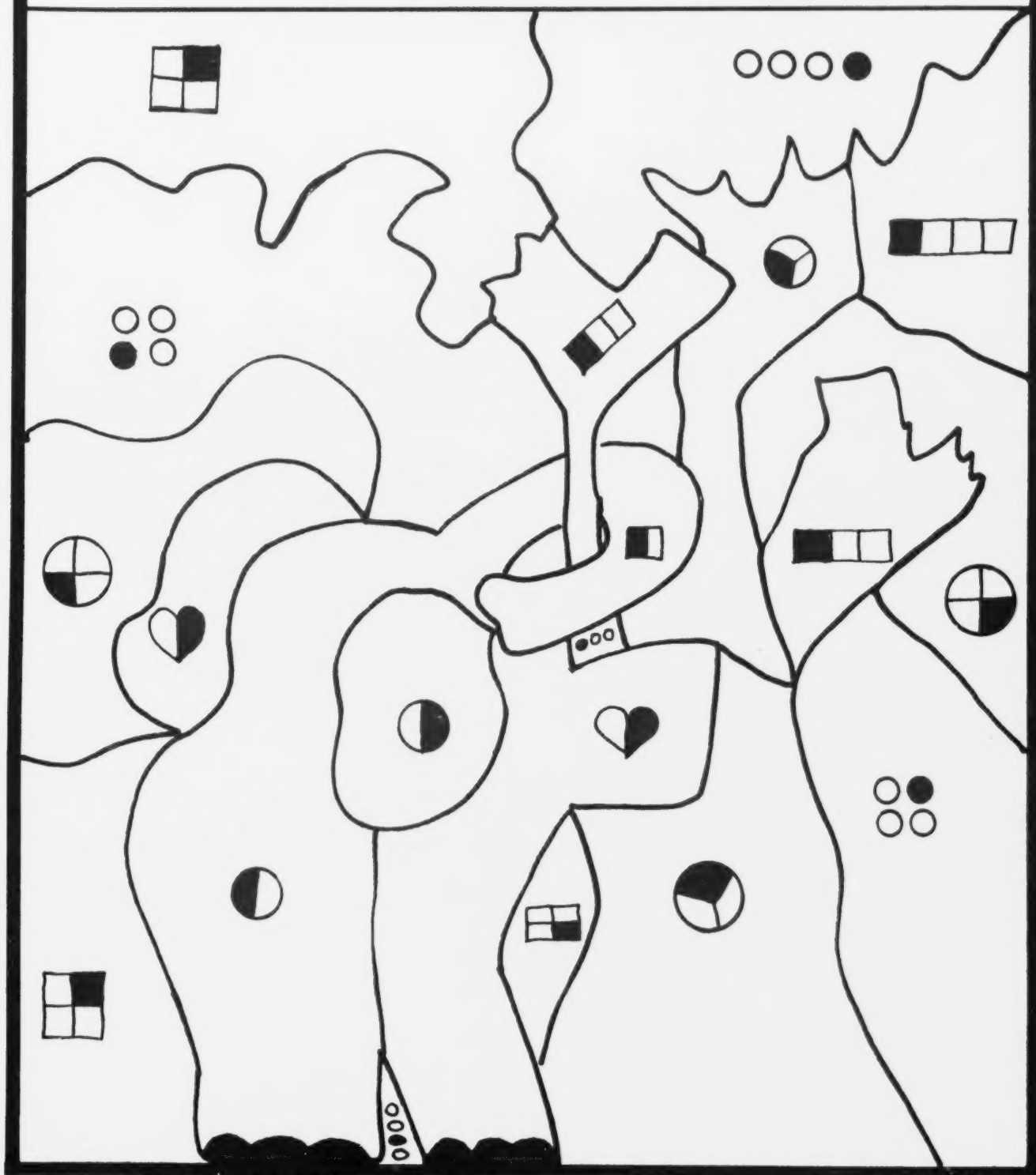
DIRECTIONS: Color the areas that have one-half of a circle shaded, **pink**.

Color the areas that have one-fourth of a circle shaded, **red**.

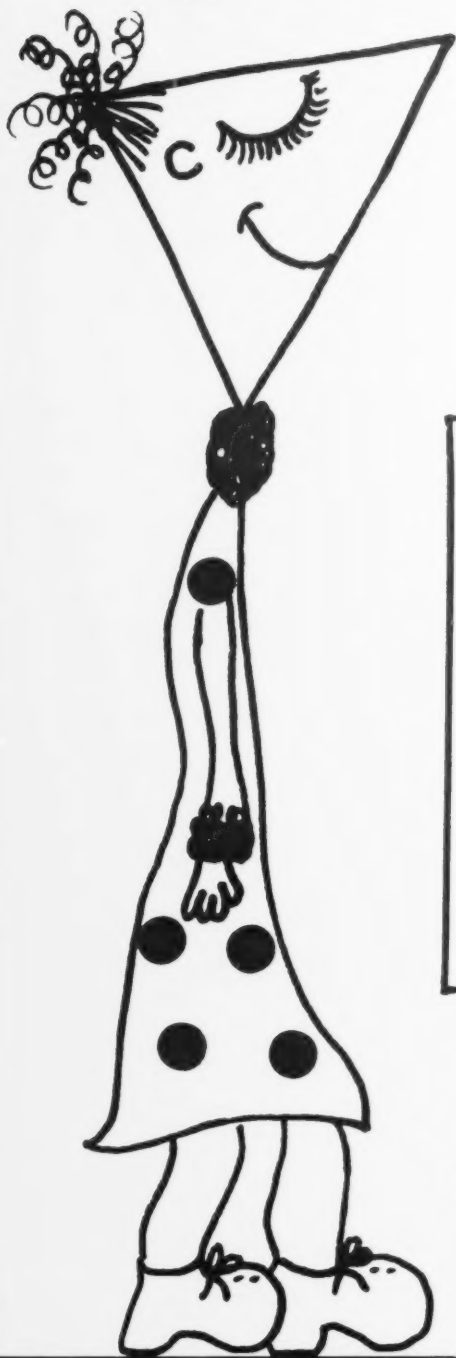
Color the areas that have the whole circle shaded, **purple**.



Color the areas that equal $\frac{1}{2}$ (pink).
 Color the areas that equal $\frac{1}{3}$ (green).
 Color the areas that equal $\frac{1}{4}$ (blue).



$\frac{1}{5}$



Color $\frac{1}{5}$ the flowers **blue**.

Color $\frac{1}{5}$ the flowers **pink**.

Color $\frac{1}{5}$ the flowers **yellow**.

Color $\frac{1}{5}$ the flowers **purple**.

Color $\frac{1}{5}$ the flowers **orange**.

Color $\frac{1}{5}$ the pots **red**.

Color $\frac{2}{5}$ the pots **brown**.

Color $\frac{2}{5}$ the pots **black**.

$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

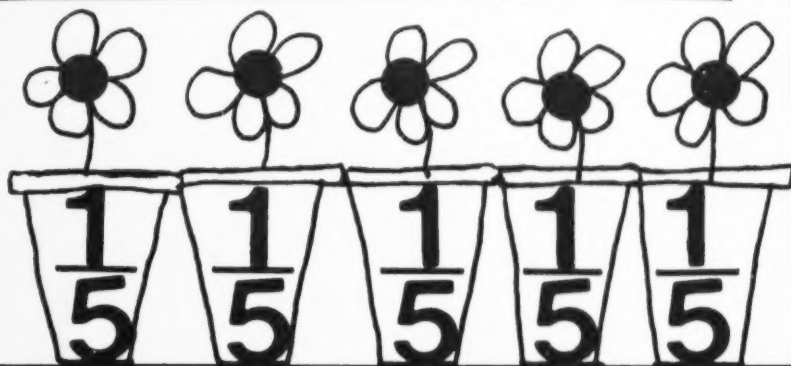
$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \underline{\hspace{1cm}} \quad \frac{3}{5} - \frac{1}{5} = \underline{\hspace{1cm}}$$

$$\frac{5}{5} - \frac{1}{5} = \underline{\hspace{1cm}} \quad \frac{4}{5} - \frac{2}{5} = \underline{\hspace{1cm}}$$

$$\frac{5}{5} - \frac{2}{5} = \underline{\hspace{1cm}} \quad \frac{5}{5} - \frac{3}{5} = \underline{\hspace{1cm}}$$

$$\frac{4}{5} - \frac{1}{5} = \underline{\hspace{1cm}} \quad \frac{2}{5} - \frac{1}{5} = \underline{\hspace{1cm}}$$

$$\frac{3}{5} - \frac{2}{5} = \underline{\hspace{1cm}} \quad \frac{5}{5} - \frac{5}{5} = \underline{\hspace{1cm}}$$



Color $\frac{1}{6}$ the eggs **blue**.

Color $\frac{1}{6}$ the eggs **red**.

Color $\frac{1}{6}$ the eggs **pink**.

Color $\frac{1}{2}$ the eggs **yellow**.

How many are **yellow**? _____

$$\frac{1}{6} \text{ of } 6 = \underline{\hspace{2cm}}$$

$$\frac{2}{6} \text{ of } 6 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \text{ of } 6 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ of } 6 = \underline{\hspace{2cm}}$$

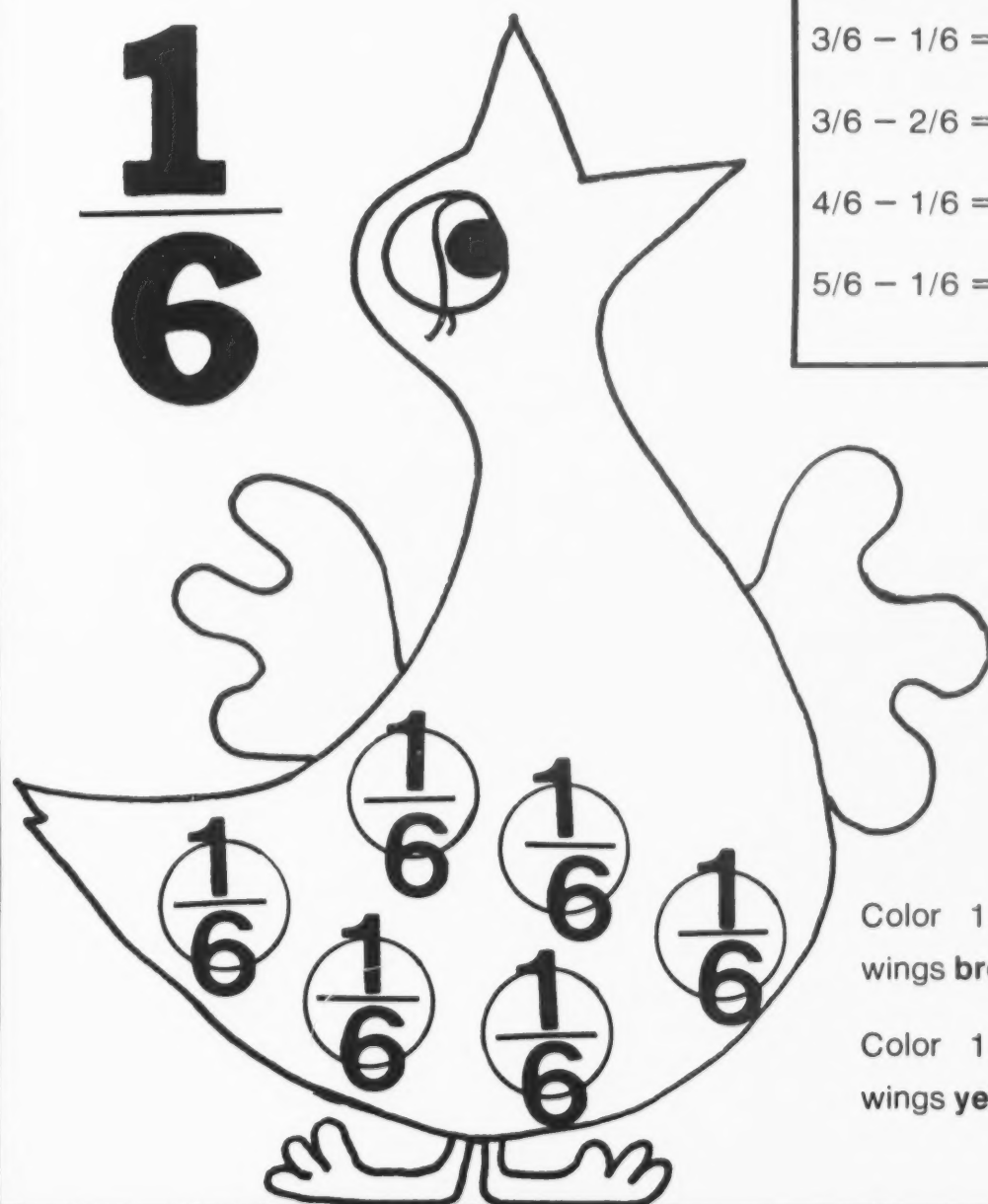
$$\frac{3}{6} \text{ of } 6 = \underline{\hspace{2cm}}$$

$$\frac{3}{6} - \frac{1}{6} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{3}{6} - \frac{2}{6} = \underline{\hspace{2cm}}$$

$$\frac{4}{6} - \frac{1}{6} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

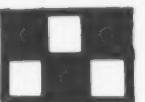
$$\frac{5}{6} - \frac{1}{6} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$



Color $\frac{1}{2}$ the bird's wings **brown**.

Color $\frac{1}{2}$ the bird's wings **yellow**.

Naming Fractions

EXAMPLE:  $\frac{1}{2}$			
			
			

What fractional part is shaded? Write the answer in each box.

Color $\frac{1}{2}$ the rabbit's ears green.

Color $\frac{1}{2}$ the rabbit's ears yellow.

Color $\frac{1}{2}$ the rabbit's feet blue.

Color $\frac{1}{2}$ the rabbit's feet purple.

Color the rest any color you choose.

Color $\frac{1}{8}$ the legs **black**.
Color $\frac{1}{8}$ the legs **brown**.
Color $\frac{1}{8}$ the legs **red**.
Color $\frac{1}{8}$ the legs **blue**.

Color $\frac{1}{8}$ the legs **yellow**.
Color $\frac{1}{8}$ the legs **orange**.
Color $\frac{1}{8}$ the legs **purple**.
Color $\frac{1}{8}$ the legs **green**.

$$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$

$$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$

$$\frac{8}{8} - \frac{7}{8} = \underline{\hspace{2cm}}$$

$$\frac{8}{8} - \frac{2}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$

$$\frac{8}{8} - \frac{6}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$

$$\frac{8}{8} - \frac{4}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$

$$\frac{8}{8} - \frac{5}{8} = \underline{\hspace{2cm}}$$

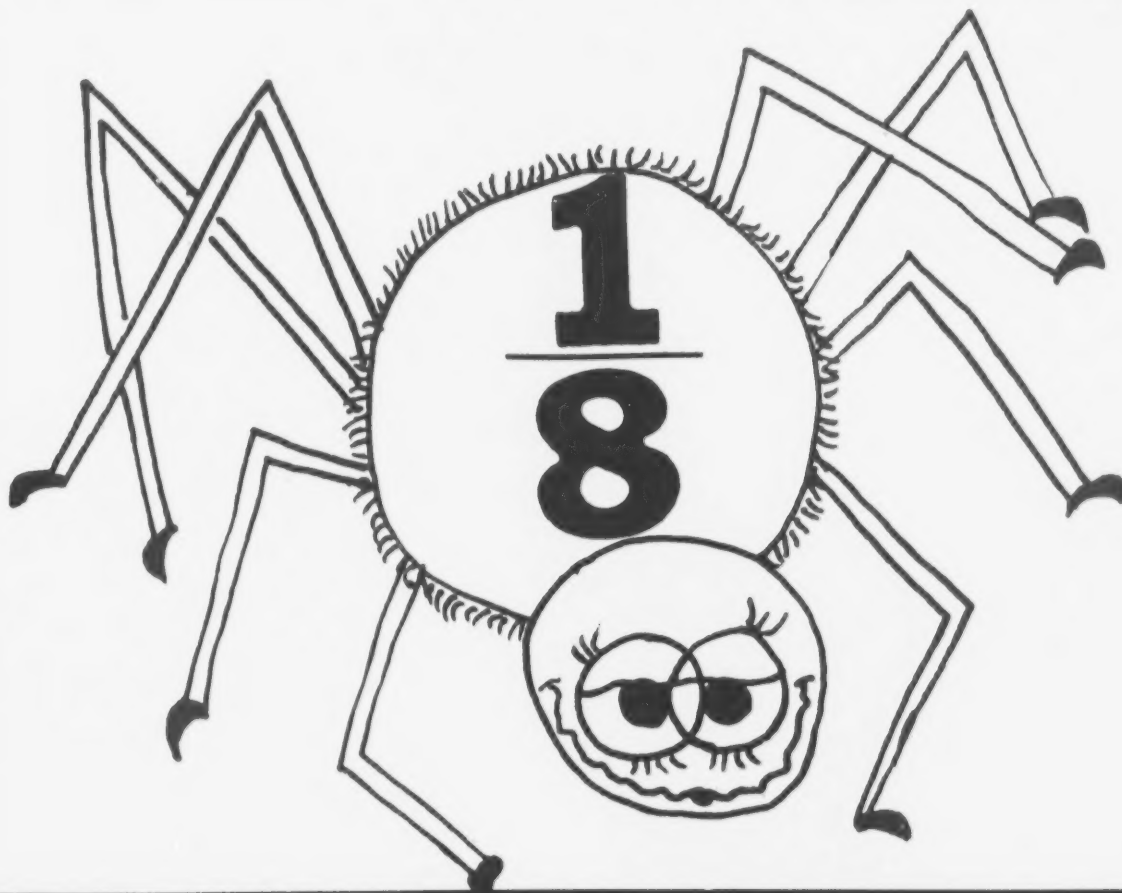
$$\frac{3}{8} + \frac{5}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$

$$\frac{8}{8} - \frac{1}{8} = \underline{\hspace{2cm}}$$

$$\frac{2}{8} + \frac{2}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$

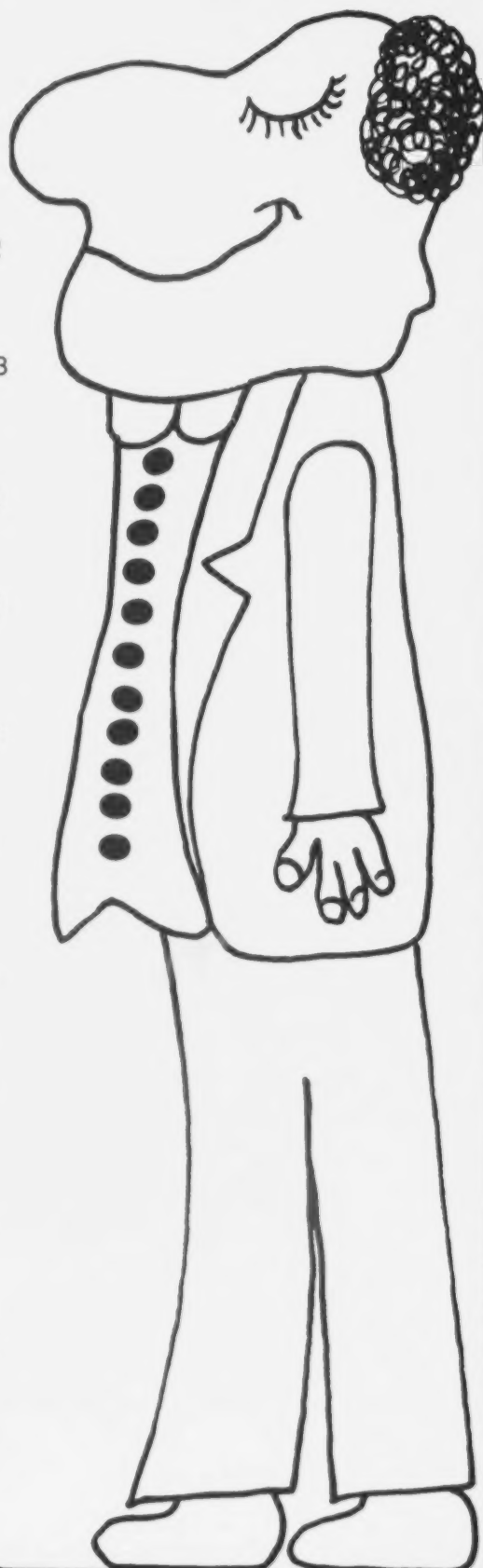
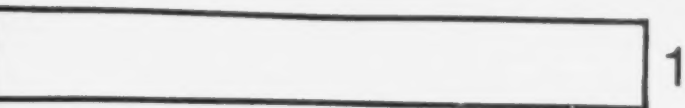
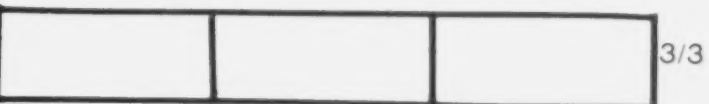
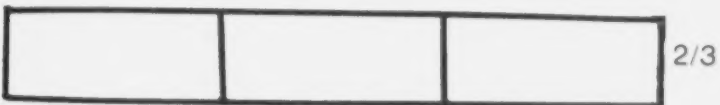
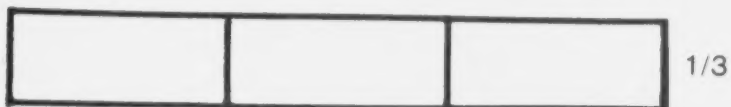
$$\frac{8}{8} - \frac{3}{8} = \underline{\hspace{2cm}}$$

$$\frac{1}{8} + \frac{1}{8} = \underline{\hspace{2cm}} \text{ or } \underline{\hspace{2cm}}$$



Color Rods

The fraction at the end of each rod will tell you how much to color.





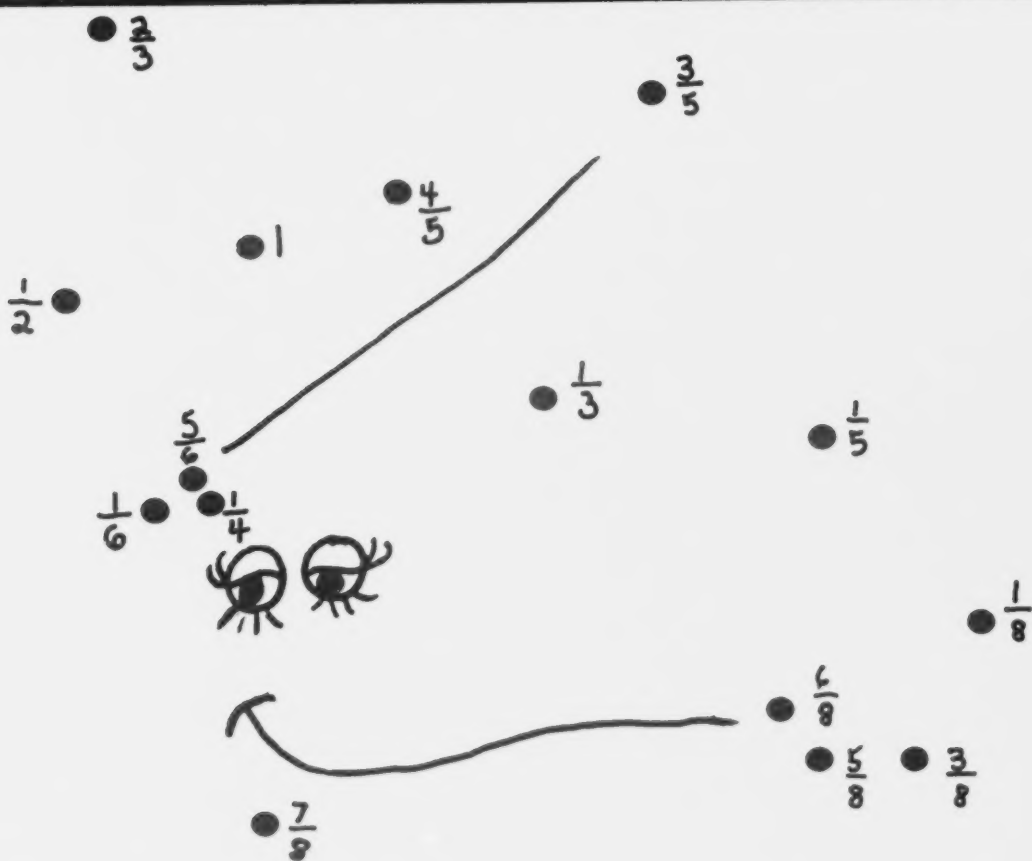
Name the fraction of the circle shaded in each box below.

EXAMPLE:



$\frac{1}{2}$



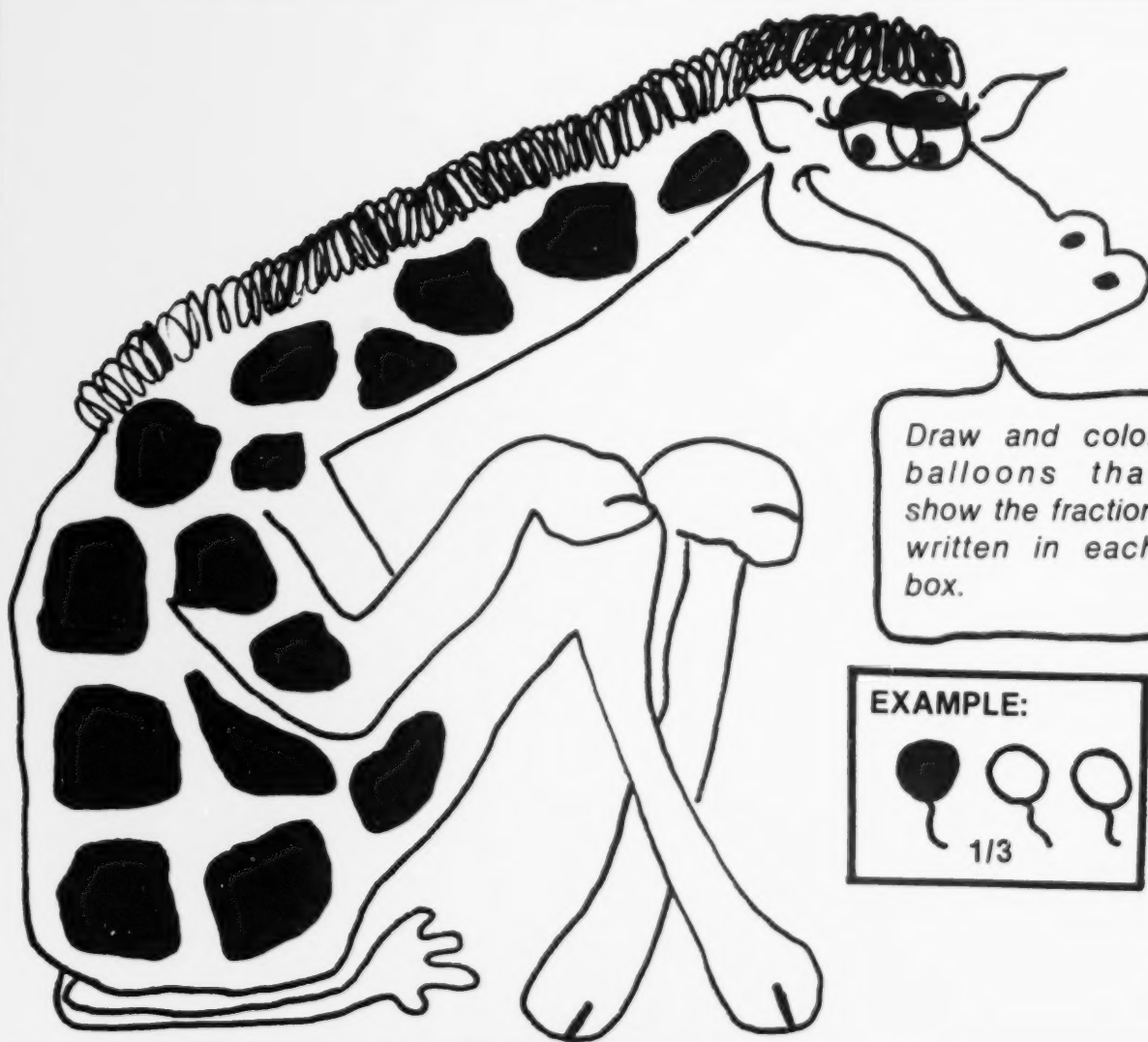


DIRECTIONS: Solve the fraction problems below. Then connect the answers in order to discover the mystery animal.

Start* drawing

- | | | | |
|---------------|---------------|---------------|---------------|
| $3/3 - 1/3 =$ | $2/6 - 1/6 =$ | $1/5 + 3/5 =$ | $5/8 - 2/8 =$ |
| $1/4 + 2/4 =$ | $1 - 1/2 =$ | $1/5 + 2/5 =$ | $3/8 + 2/8 =$ |
| $1/5 + 1/5 =$ | $1/3 + 1/3 =$ | $2/3 - 1/3 =$ | $3/8 + 3/8 =$ |
| | $1/2 + 1/2 =$ | $3/4 - 2/4 =$ | $8/8 - 1/8 =$ |
| | $3/6 + 2/6 =$ | $5/5 - 4/5 =$ | $1/6 + 1/6 =$ |
| | | $3/8 - 2/8 =$ | $1/6 + 2/6 =$ |
| | | | $2/6 + 2/6 =$ |
| | | | $2/6 + 4/6 =$ |

$\frac{1}{2}$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{1}{4}$
$\frac{1}{6}$	$\frac{5}{6}$	$\frac{1}{8}$	$\frac{5}{8}$



Draw and color balloons that show the fraction written in each box.

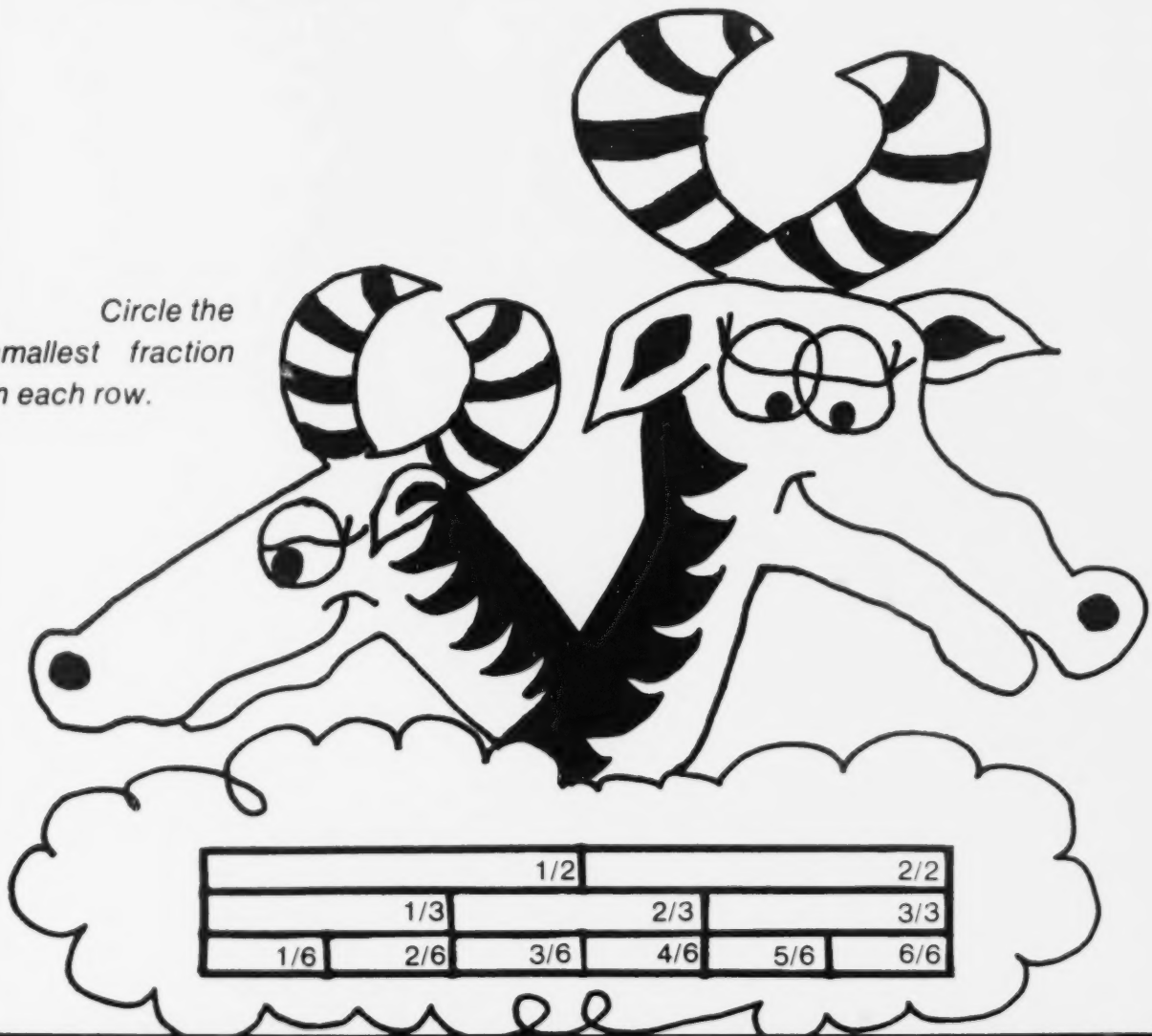
EXAMPLE:



The Smallest

$\frac{1}{2}$	_____	$\frac{2}{3}$	_____	$\frac{1}{6}$	_____	$\frac{1}{3}$
$\frac{2}{3}$	_____	$\frac{2}{6}$	_____	$\frac{3}{3}$	_____	$\frac{3}{6}$
$\frac{2}{2}$	_____	$\frac{3}{6}$	_____	$\frac{2}{3}$	_____	$\frac{1}{3}$
$\frac{5}{6}$	_____	$\frac{4}{6}$	_____	$\frac{1}{2}$	_____	$\frac{2}{3}$
$\frac{3}{3}$	_____	$\frac{1}{6}$	_____	$\frac{4}{6}$	_____	$\frac{1}{2}$
$\frac{6}{6}$	_____	$\frac{2}{3}$	_____	$\frac{5}{6}$	_____	$\frac{2}{2}$

Circle the
smallest fraction
in each row.



The Greatest

DIRECTIONS: Circle the largest fraction in each row.

$\frac{1}{2}$ _____ $\frac{3}{4}$ _____ $\frac{6}{8}$ _____ $\frac{8}{8}$

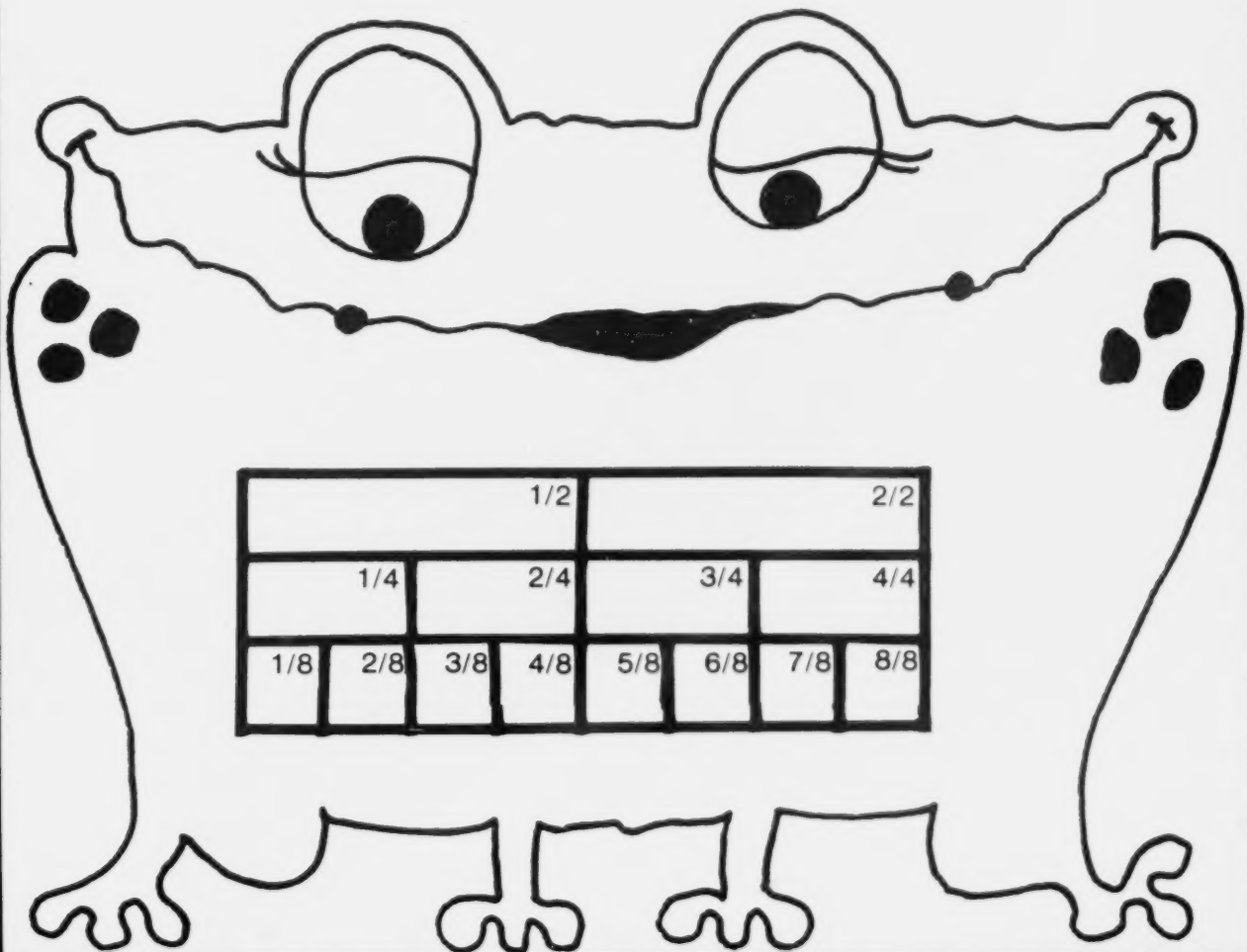
$\frac{1}{4}$ _____ $\frac{1}{8}$ _____ $\frac{7}{8}$ _____ $\frac{1}{2}$

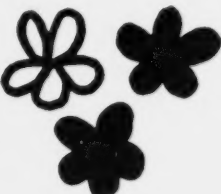
$\frac{1}{8}$ _____ $\frac{1}{2}$ _____ $\frac{1}{4}$ _____ $\frac{2}{8}$

$\frac{1}{4}$ _____ $\frac{3}{8}$ _____ $\frac{5}{8}$ _____ $\frac{3}{4}$

$\frac{2}{8}$ _____ $\frac{1}{8}$ _____ $\frac{1}{4}$ _____ $\frac{6}{8}$

$\frac{7}{8}$ _____ $\frac{1}{2}$ _____ $\frac{6}{8}$ _____ $\frac{4}{8}$



 $\frac{2}{3}$	$\frac{3}{3}$	$\frac{4}{5}$	$\frac{1}{5}$
$\frac{3}{6}$	$\frac{1}{2}$	$\frac{4}{8}$	$\frac{5}{8}$
$\frac{6}{7}$	$\frac{3}{4}$		

Draw and color flowers that show each fraction written in the boxes above.

Color the whole elephant pink.

DIRECTIONS: Read the fraction. Decide if it equals more than $\frac{1}{2}$ or less than $\frac{1}{2}$. If the fraction equals more than $\frac{1}{2}$, circle the letter under the words "more than." If the fraction equals less than $\frac{1}{2}$, circle the letter under the words, "less than." Fill in the blanks with the letters you have circled to solve the riddle.

What is harder to catch the faster you run?

1 2 3 4
5 6 7 8 9 10

	Less than	More than
1. $\frac{3}{8}$	Y	T
2. $\frac{4}{5}$	P	O
3. $\frac{1}{3}$	U	I
4. $\frac{4}{6}$	E	R
5. $\frac{1}{4}$	B	T
6. $\frac{2}{3}$	T	R
7. $\frac{5}{8}$	W	E
8. $\frac{7}{8}$	U	A
9. $\frac{1}{8}$	T	I
10. $\frac{1}{6}$	H	O



Color $\frac{1}{9}$ the spots **brown**.

Color $\frac{1}{9}$ the spots **blue**.

Color $\frac{1}{9}$ the spots **orange**.

Color $\frac{1}{9}$ the spots **purple**.

Color $\frac{1}{9}$ the spots **yellow**.

Color $\frac{4}{9}$ the spots **red**.

How many are yellow? _____

How many are orange? _____

How many are red? _____

$\frac{1}{9}$ of 9 = _____

$\frac{1}{3}$ of 9 = _____

$\frac{4}{9}$ of 9 = _____

$\frac{1}{9} + \frac{1}{9} =$ _____

$\frac{2}{9} + \frac{2}{9} =$ _____

$\frac{1}{9} + \frac{4}{9} =$ _____

$\frac{3}{9} + \frac{2}{9} =$ _____

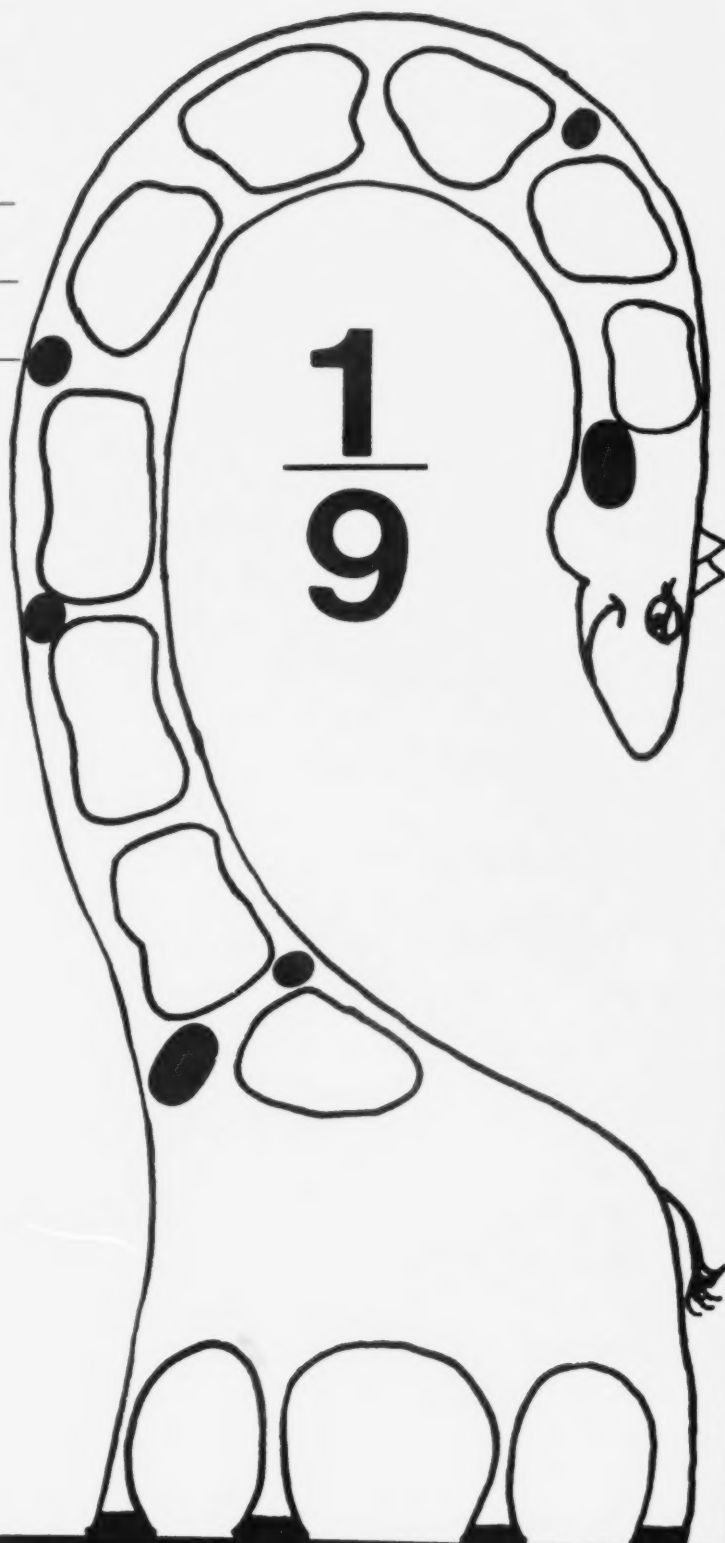
$\frac{9}{9} - \frac{7}{9} =$ _____

CIRCLE THE LARGEST.

$\frac{1}{3}$ or $\frac{1}{9}$

$\frac{1}{3}$ or $\frac{5}{9}$

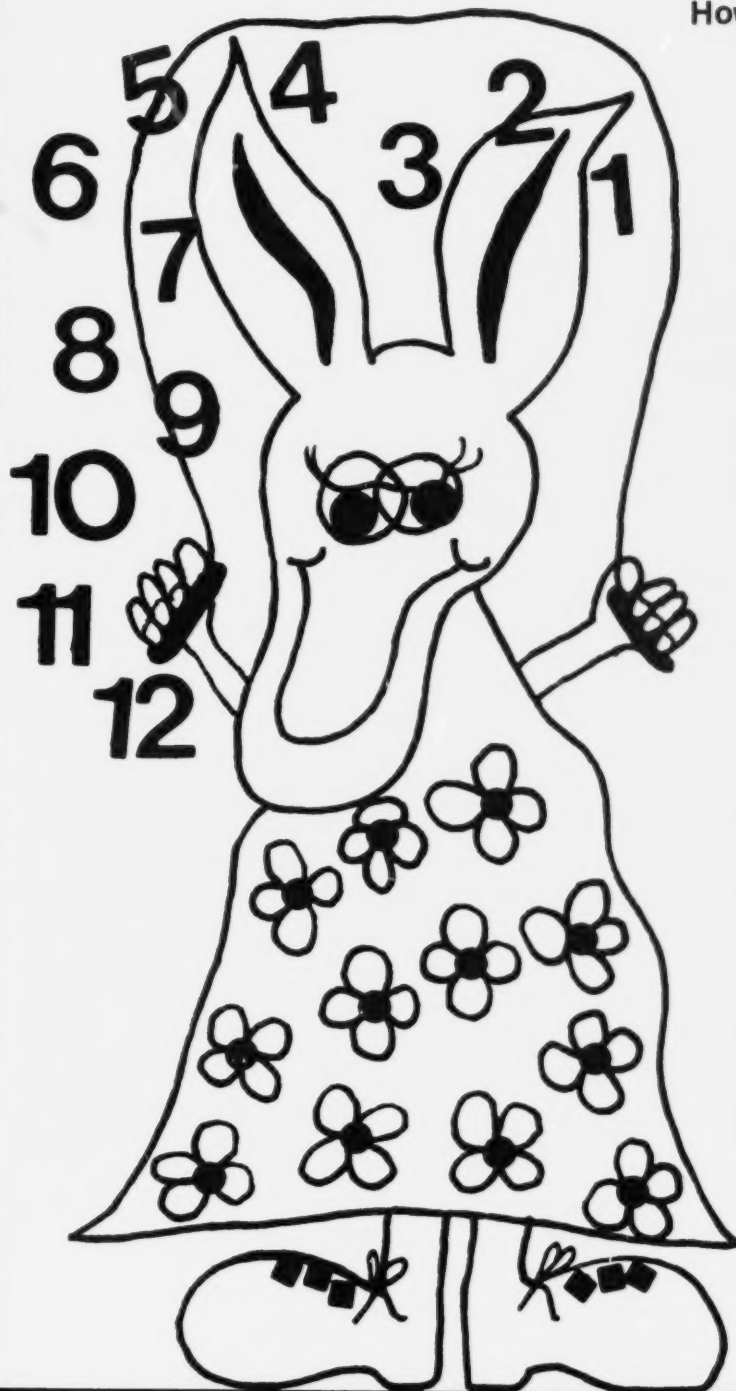
$\frac{1}{3}$ or $\frac{7}{9}$



$$\frac{1}{12}$$

Marvella jumped rope 12 times without missing. Her sister Jo jumped rope half that many times without missing.

How many times did Jo jump?



$$\frac{1}{12} \text{ of } 12 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \text{ of } 12 = \underline{\hspace{2cm}}$$

$$\frac{1}{4} \text{ of } 12 = \underline{\hspace{2cm}}$$

$$\frac{5}{12} - \frac{2}{12} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{7}{12} - \frac{5}{12} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{9}{12} - \frac{3}{12} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

$$\frac{1}{12} + \frac{2}{12} = \underline{\hspace{1cm}} \text{ or } \underline{\hspace{1cm}}$$

Color $\frac{1}{3}$ the flowers **red**.

Color $\frac{1}{4}$ the flowers **blue**.

Color the rest **yellow**.

DIRECTIONS: Use the signs $\blacktriangleright$, $\blacktriangleleft$, OR $=$ to make each fraction sentence true.

$$\frac{1}{2} \quad \bigcirc \quad \frac{1}{3}$$

$$\frac{1}{4} \quad \bigcirc \quad \frac{1}{3}$$

$$\frac{1}{5} \quad \bigcirc \quad \frac{1}{6}$$

$$\frac{1}{8} \quad \bigcirc \quad \frac{1}{2}$$

$$\frac{1}{4} \quad \bigcirc \quad \frac{1}{5}$$

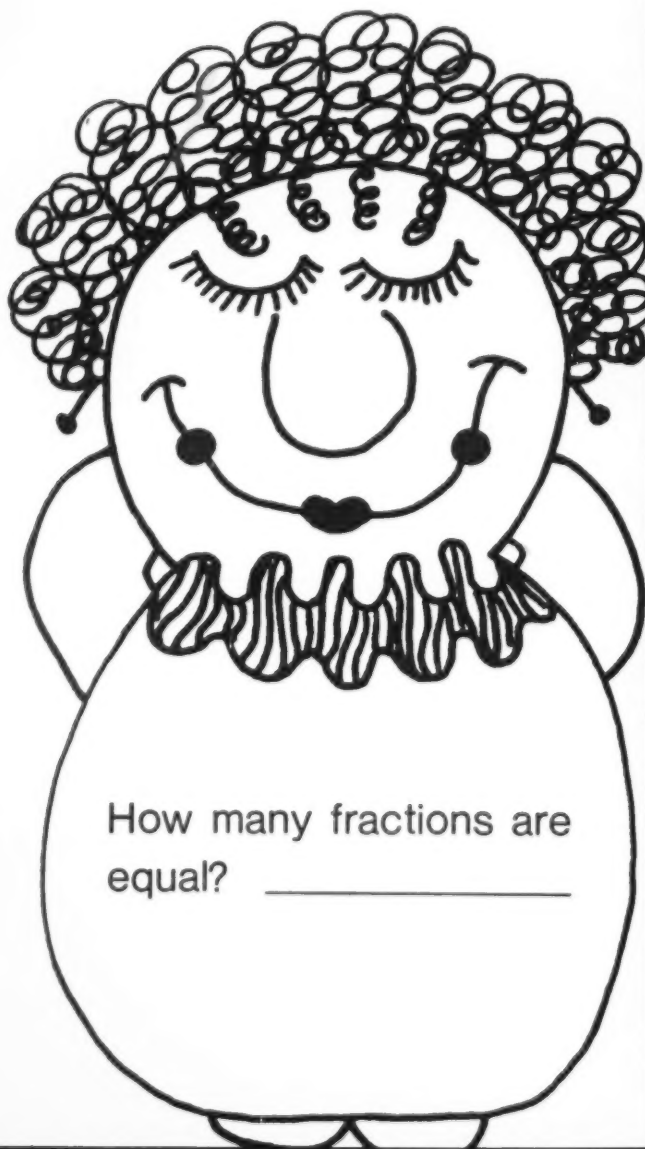
$$\frac{1}{6} \quad \bigcirc \quad \frac{1}{3}$$

$$\frac{1}{2} \quad \bigcirc \quad \frac{1}{4}$$

$$\frac{1}{3} \quad \bigcirc \quad \frac{1}{8}$$

$$\frac{1}{10} \quad \bigcirc \quad \frac{1}{9}$$

Remember, $\blacktriangleleft$ means less than, $\blacktriangleright$ means more than, and $=$ means equals the same.



Circle the denominators:

$\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{6}$

Circle the numerators:

$\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{8}$ $\frac{1}{12}$

Circle the numerators that are more than 1:

$\frac{2}{3}$ $\frac{1}{3}$ $\frac{4}{5}$ $\frac{3}{4}$

Circle the denominators that are more than 2:

$\frac{1}{2}$ $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{6}$

Write these fractions

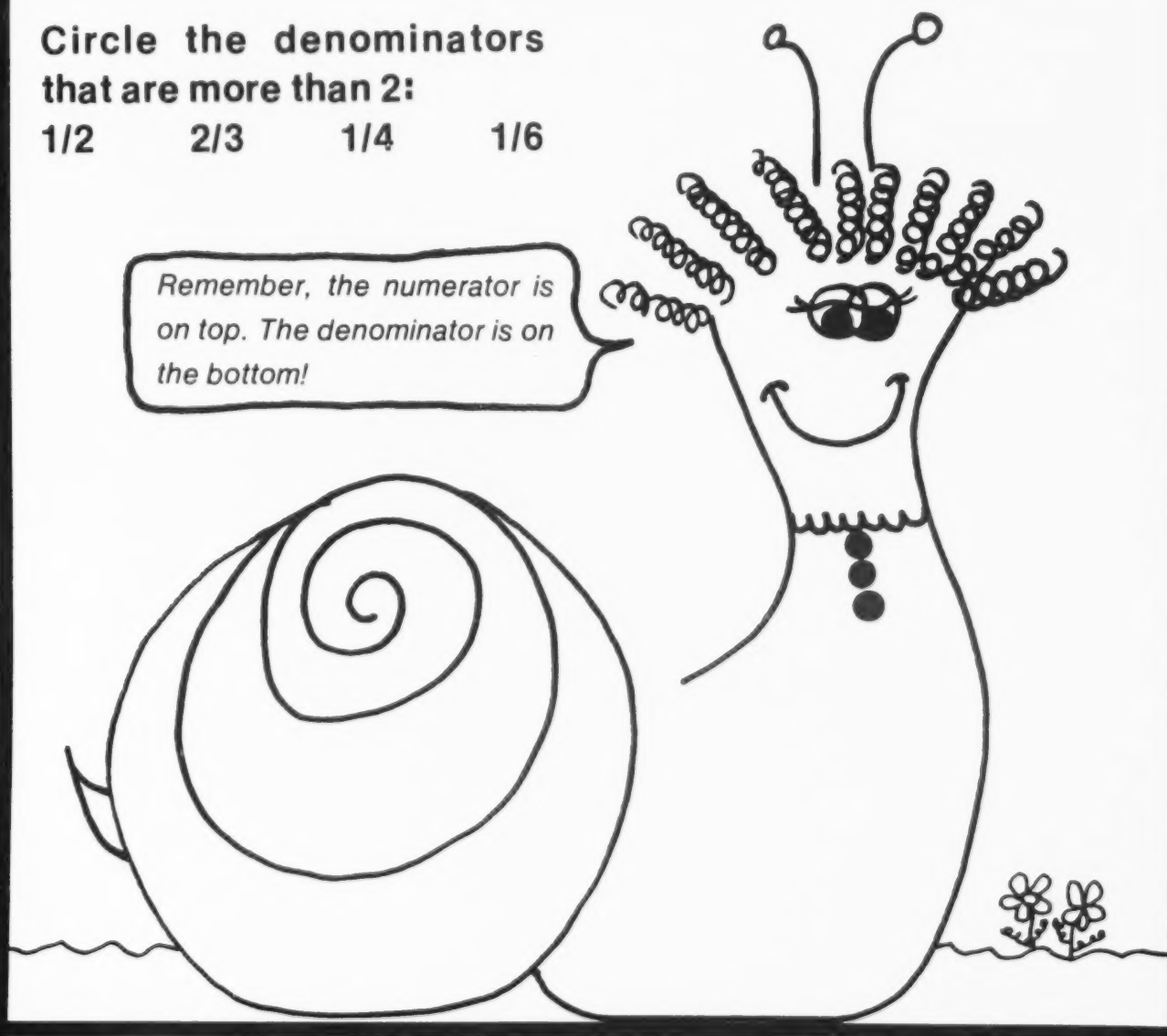
numerator 1

denominator 2

denominator 4

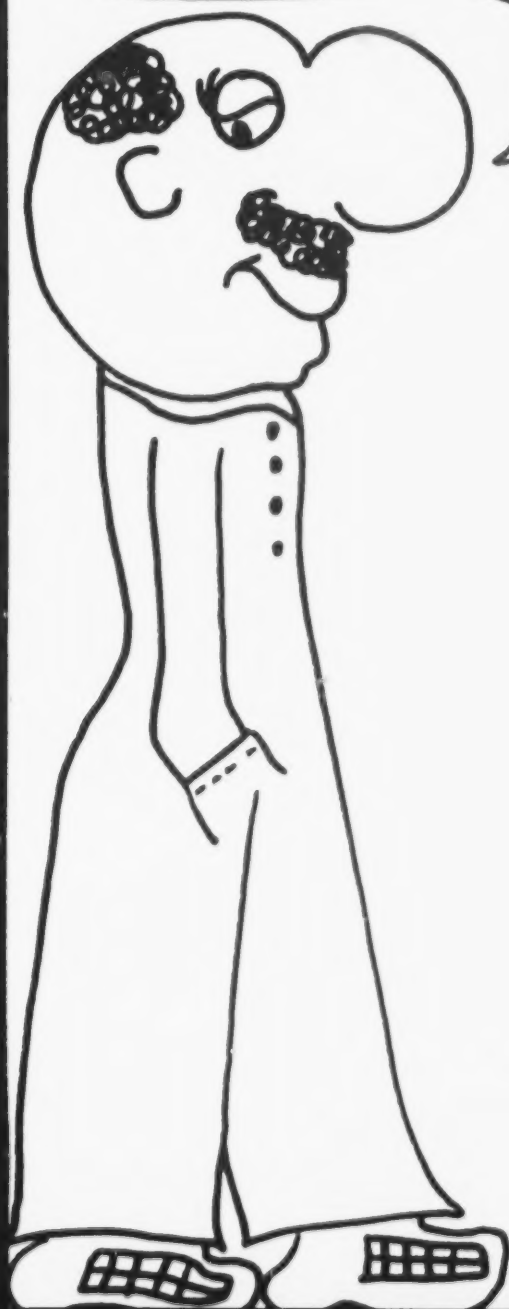
numerator 3

Remember, the numerator is on top. The denominator is on the bottom!



DIRECTIONS: Use the signs $\leftarrow$, $\rightarrow$ or $=$ to make each fraction sentence true.

How many fractions are equal? _____



$\frac{2}{4}$



$\frac{1}{2}$

$\frac{3}{6}$



$\frac{1}{2}$

$\frac{1}{4}$



$\frac{2}{8}$

$\frac{1}{7}$



$\frac{1}{8}$

$\frac{1}{3}$



$\frac{1}{4}$

$\frac{1}{5}$



$\frac{2}{10}$

$\frac{7}{7}$



1

$\frac{6}{6}$

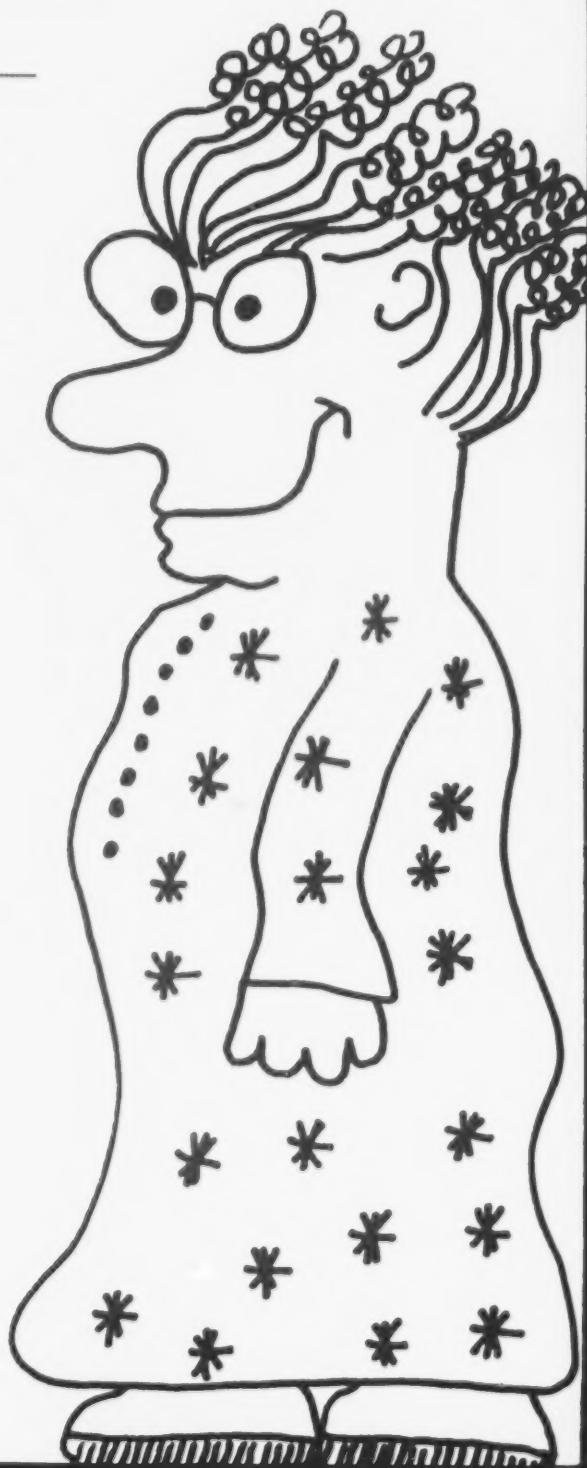


1

DIRECTIONS: Circle the letters in front of the fractions less than $\frac{1}{2}$.

What subject in school can you always count on?

M	$\frac{1}{3}$
A	$\frac{1}{4}$
T	$\frac{3}{12}$
H	$\frac{1}{7}$
E	$\frac{1}{8}$
M	$\frac{1}{9}$
E	$\frac{7}{10}$
A	$\frac{1}{10}$
T	$\frac{1}{5}$
W	$\frac{3}{5}$
I	$\frac{1}{6}$
C	$\frac{1}{12}$
A	$\frac{4}{5}$
S	$\frac{2}{5}$



REVIEW

Write the fraction for each picture.







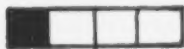












Fractions are fun!



REVIEW

Circle the largest fraction.

$\frac{1}{2}$ or $\frac{1}{3}$

$\frac{1}{4}$ or $\frac{1}{3}$

$\frac{1}{3}$ or $\frac{2}{4}$

$\frac{2}{3}$ or $\frac{3}{4}$

$\frac{1}{2}$ or $\frac{2}{3}$

$\frac{1}{2}$ or $\frac{3}{4}$

$\frac{2}{3}$ or $\frac{1}{3}$

Circle the fractions in each row that are equal.

$\frac{1}{2}$ $\frac{2}{4}$ $\frac{1}{3}$

$\frac{1}{3}$ $\frac{2}{2}$ $\frac{3}{3}$

$\frac{2}{2}$ $\frac{4}{4}$ $\frac{1}{3}$

Circle the denominators.

$\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{6}$

Circle the numerators.

$\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{6}$



Addition

Add these fractions. Some answers may be expressed two ways; write both.

1. $\frac{1}{4} + \frac{1}{4} =$ _____ or _____

2. $\frac{1}{6} + \frac{3}{6} =$ _____ or _____

3. $\frac{1}{3} + \frac{1}{3} =$ _____

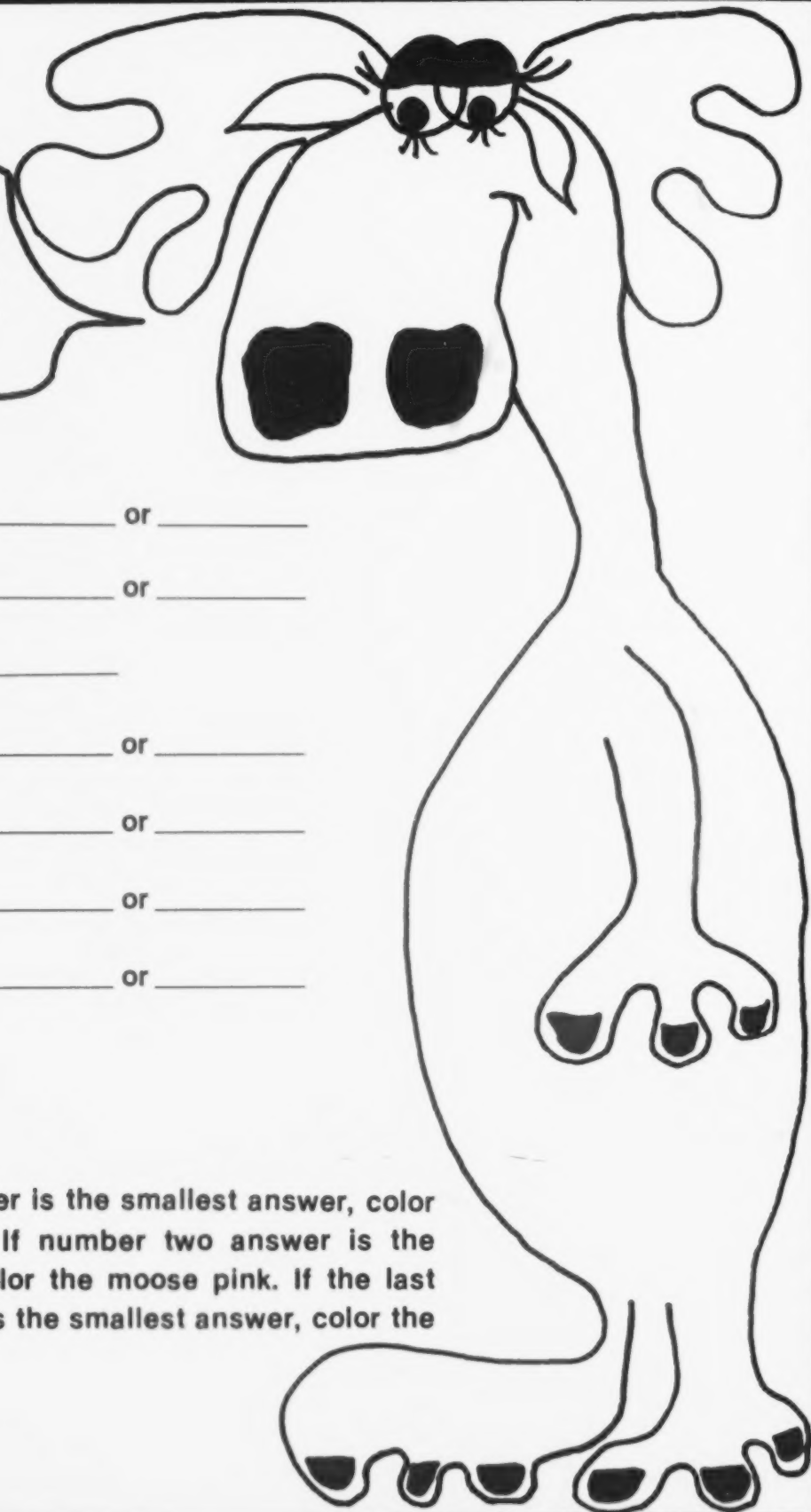
4. $\frac{1}{4} + \frac{3}{4} =$ _____ or _____

5. $\frac{1}{6} + \frac{5}{6} =$ _____ or _____

6. $\frac{7}{8} + \frac{1}{8} =$ _____ or _____

7. $\frac{1}{2} + \frac{1}{2} =$ _____ or _____

If number one answer is the smallest answer, color the moose purple. If number two answer is the smallest answer, color the moose pink. If the last answer, number 7, is the smallest answer, color the moose yellow.



Freaky Fractions Test

Color the fractional parts.

1 whole



1/2



1/3



1/4



1/6



3/4



2/4



2/2



Circle the largest fraction.

1/2 or 1/3

1/5 or 1/2

1/2 or 1/4

1/12 or 1/2

1/5 or 1/4

1/4 or 2/2

3/4 or 1/4

5/6 or 2/6

1/9 or 5/9

1/7 or 3/7

$$1/2 + 1/2 = \underline{\hspace{2cm}}$$

$$1/3 + 1/3 = \underline{\hspace{2cm}}$$

$$1/5 + 2/5 = \underline{\hspace{2cm}}$$

$$1/4 + 2/4 = \underline{\hspace{2cm}}$$

$$1/8 + 2/8 = \underline{\hspace{2cm}}$$

$$1/5 + 3/5 = \underline{\hspace{2cm}}$$

$$1/3 + 2/3 = \underline{\hspace{2cm}}$$

$$5/8 + 2/8 = \underline{\hspace{2cm}}$$

$$1/12 + 4/12 = \underline{\hspace{2cm}}$$

$$3/4 + 1/4 = \underline{\hspace{2cm}}$$

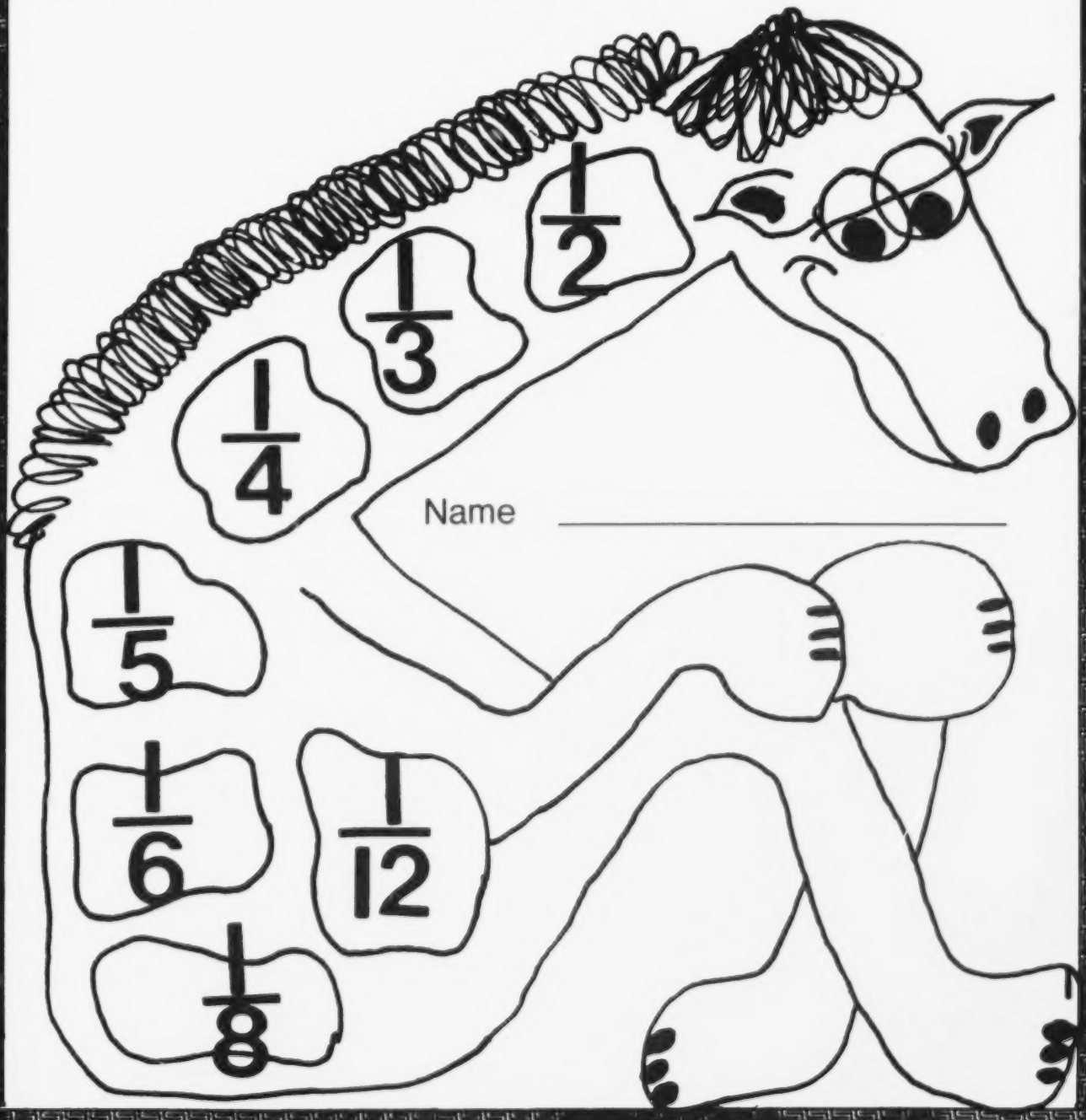
$$1/5 + 4/5 = \underline{\hspace{2cm}}$$

*You should be
a fractions
freak by now!*



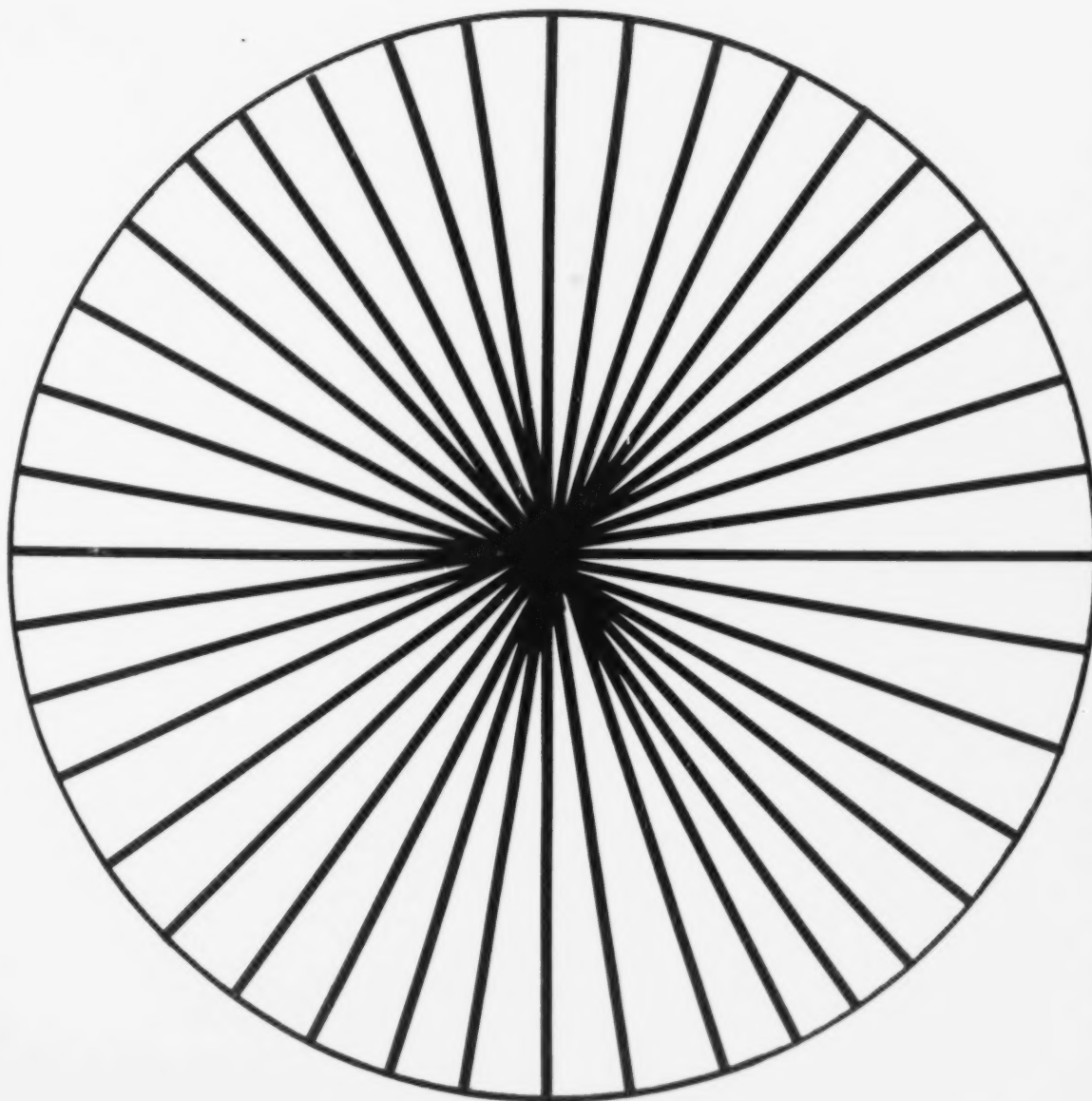
I UNDERSTAND!

DIRECTIONS: Color in the giraffe's spots each time you complete the set of activity pages on each of the different fractions.



KEEPING TRACK

Name _____



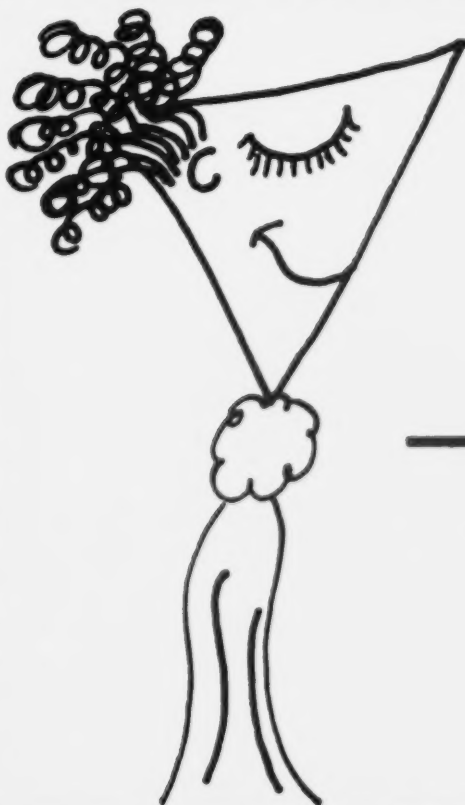
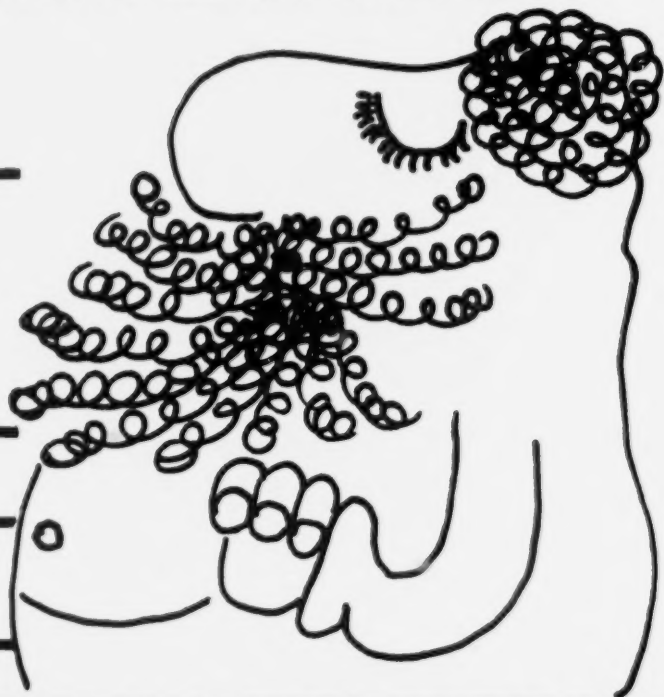
DIRECTIONS: Color in an area of the wheel each time you finish one of the 40 pages about fractions. How many pages will you finish before $\frac{1}{4}$ of the wheel is colored? How many pages will you need to finish before $\frac{1}{2}$ of the wheel is colored?

Fraction Award

TO _____

BECAUSE

Signature _____



Fractions Freak

Presented to

Because you understand fractions.

Signature _____

ANSWER KEY

2 _____

2
0
2
2/2 or 1
1/2
1/2

3 _____

1/2 purple
1/2 green
2 yellow legs
2 red legs

4 _____

brown cowboy and horse
green background

5 _____

a camel

6 _____

red star

7 _____

S A M E
Less than 1/2: 1/3 & 1/4

8 _____

1
2
3/3 or 1
2/3
2/3
1/3
1/3

9 _____

a bull

10 _____

A brown opossum hanging by his tail.

11 _____

1 red apple, 1 yellow apple
2 pink butterflies, 2 green butterflies
6 red buttons, 4 orange buttons, 2 purple buttons 2

12 _____

1/2
1/3
3/4
2/3
1/2
1
1
2/4 or 1/2
4/4 or 1
3/3 or 1

13 _____

2
2
3/4
1/4
4/4 or 1
1/4
2/4 or 1/2
3/4
2
2
3
4

14 _____

4/4 or 1
3/4
2/4 or 1/2
2/4 or 1/2
1/4
2/4 or 1/2
1/4

15 _____

pink whale, blue water

16 _____

a bug

17 _____

two columns of diamond shaped patterns

18 _____

pink elephant, green tree, blue background

ANSWER KEY (Cont.)

19

5/5 or 1
3/5 2/5
4/5 2/5
3/5 2/5
3/5 1/5
1/5 0

20

1
2
2
3
3
2/6 or 1/3
1/6
3/6 or 1/2
4/6 or 2/3

21

1/4
1/6
1/2
1/3
2/3
2/4 or 1/2
3/6 or 1/2
1/4
1 green ear, one yellow ear,
1 blue foot, 1 purple foot.

22

8/8 or 1
4/8 or 1/2
1/8 6/8 or 3/4
2/8 or 1/4 4/8 or 1/2
3/8 8/8 or 1
7/8 4/8 or 1/2
5/8 2/8 or 1/4

23

color one section
color one section
color one section
color two sections
color the whole rod
color three sections
color two sections or one-half

color the whole rod
color one section
color the whole rod
color the whole rod

24

1/4
2/4 or 1/4
1/8
2/8 or 1/4
3/8
1/6
2/6 or 1/3
4/6 or 2/3

25

2/3, 3/4, 2/5, 1/6, 1/2, 2/3, 1, 5/6
4/5, 3/5, 1/3, 1/4, 1/5, 1/8, 3/8,
5/8, 6/8, 7/8, 2/6, 3/6, 4/6, 6/6

26

example:

27

1/6
2/6
1/3
1/2
1/6
2/3

28

8/8 1/2 6/8
7/8 3/4 7/8

29

example:

30

YOUR BREATH

31

1 brown spot 1 purple spot
1 blue spot 1 yellow spot
1 orange spot 4 red spots

1
1
4
1

ANSWER KEY (Cont.)

- 3
4
2/9
4/9
5/9
5/9
2/9
1/3
5/9
7/9
- 32 _____
6
1
4
3
3/12 or 1/4
2/12 or 1/6
6/12 or 1/2
3/12 or 1/4
- 33 _____
more than
less than
more than
less than
more than
less than
more than
more than
less than
0
- 34 _____
3, 2, 4, 6
1, 1, 1, 1
2, 4, 3
3, 4, 6
1/2
3/4
- 35 _____
=
=
=
more than
more than
=

- 36 _____
MATHEMATICS
- 37 _____
1/2 1/8 1/4
1/4 1/4 1/3
3/4 1/2 1/4
- 38 _____
1/2 1/2 & 2/4
1/3 2/2 & 3/3
2/4 2/2 & 4/4
3/4 3, 2, 4, 6
2/3 1, 1, 1, 1
3/4
2/3
- 39 _____
2/4 or 1/2
4/6 or 2/3
2/3
4/4 or 1
6/6 or 1
8/8 or 1
2/2 or 1
Purple Moose
- 40 _____
TEST:
1/2 2/2 3/4
1/2 3/4 3/8
1/2 5/6 4/5
1/2 5/9 3/3 or 1
1/4 3/7
7/8
2/2 or 1 5/12
2/3 4/4 or 1
3/5 5/5 or 1

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